







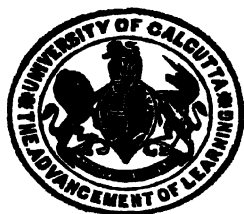
**POST-GRADUATE TEACHING—PROCEEDINGS**  
**1919**





**COUNCIL**  
**OF**  
**POST-GRADUATE TEACHING**  
**CALCUTTA UNIVERSITY**

**PROCEEDINGS OF THE COUNCILS**  
**AND**  
**EXECUTIVE COMMITTEES**  
**1919**



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# Proceedings of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1918-19.

No. 7.

THE 2ND JANUARY, 1919.

*Present :*

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

Rai A. C. Bose, Bahadur, M.A.	Babu Nalinaksha Datta, M.A.
Babu Dhireschandra Acharyya, M.A.	„ Rabindramohan Datta, M.A.
„ Gauranganath Banerjee, M.A.	„ Susilkumar De, M.A.
„ Hariprasanna Banerjee, M.Sc.	„ Sasindrachandra Dhar, M.Sc.
„ Jaygopal Banerjee, M.A.	Rev. G. Ewan, M.A.
„ Manmathanath Banerjee, M.Sc.	Mr. Phanindralal Ganguli, M.A.
„ Muralidhar Banerjee, M.A.	„ Surendramohan Ganguli, M.Sc.
„ Narayanchandra Banerjee, M.A.	Babu Praphullachandra Ghosh, M.A.
Dr. Pramathanath Banerjee, M.A., D.Sc.	Babu Praphullachandra Ghosh, M.A., B. Sc.
Babu Pramathanath Banerjee, M.A.	„ Satishchandra Ghosh, M.A.
„ Srikumar Banerjee, M.A.	„ Rajanikanta Guha, M.A.
Dr. Benimadhab Barua, M.A., D.Litt.	„ Manoranjan Gupta, M.Sc.
Babu Radhagobinda Basak, M.A.	Dr. Ramdas Khan, M.A., Ph. D.
„ Satishchandra Basu, M.A.	Rajaguru Bhagavanchandra Mahastavir,
„ Haridas Bhattacharyya, M.A.	Babu Susilkumar Maitra, M.A.
„ Pasupatinath Bhattacharyya, M.A.	„ Narendrakumar Majumdar, M.A.
„ Girindrasackhar Bose, M.Sc., M.B.	„ Rameschandra Majumdar, M.A.
„ Haranchandra Chakladar, M.A.	„ Surendranath Majumdar, M.A.
„ Niranjanprasad Chakrabarti, M.A.	Maulvi Abu Musa Ahmadul Haq.
„ Prabhatchandra Chakrabarti, M.A.	„ Aga Mahomed Kazim Shirazi,
„ Satishchandra Chakrabarti, M.A.	Pandit Babuya Misra.
„ Kalidhan Chatterjee, M.A.	Babu Ambikacharan Mitra, M. A.
„ Nalinimohan Chatterjee, M.A.	Mr. Khagendranath Mitra, B.A.
„ Nirmalchandra Chatterjee, M.A.	Babu Sailendranath Mitra, M.A.
„ Satishchandra Chatterjee, M.A.	„ Bijaygopal Mookerjee, M.A.
„ Sunitikumar Chatterjee, M.A.	Dr. Harendracoomar Mookerjee, M.A., Ph.D.
„ Rohinimohan Chaudhuri, M.A.	Babu Panchanandas Mookerjee, M.A.
Dr. C. E. Cullis, M.A., Ph.D.	

**Babu Jitendraprasad Niyogi, M.A.**

**Sawami Punnananda.**

**Babu Debendranath Ray, M.A.**

**Babu Satishchandra Ray, M.A.**

„ **Hemchandra Raychaudhuri, M.A.**

**Pandit Rajendranath Vidyabhusan.**

**Mahamahopadhyay Dr. Satishchand,**  
**Vidyabhusan, M.A., Ph.D.**

**Mr. Surendramohan Sanyal, M.A.,**  
**M.Sc.**

**Mr. Bejy Kumar Sarkar, A.B.**

**Vedantabhisarad N. S. Anantakrishna**  
**Sastri**

**Pandit Sitaram Sastri.**

**Dr. Brajendranath Seal, M.A., Ph.D.**

**Mr. Arun Sen, B.A.**

**Babu Bipinbihari Sen, M.A.**

**Babu Sailoswar Sen, M.A.**

„ **Surendranath Sen, M.A.**

**Dr. Narondranath Sengupta, M.A.,**  
**Ph.D.**

**Babu Prabodhchandra Sengupta, M.A.**

**Pandit Hargovind Das Sheth.**

**Babu Jogischandra Sinha, M.A.**

**Shaikh Abu Nasr Gilani.**

**Dr. H. Stephen, M.A., D.D.**

**Mr. T. S. Sterling, M.A.**

**Syed Mahommed Khalil Ahmed, M.A.**

**Dr. I Jehangir S Tanaporowalla, B.A**  
**Ph.D.**

**Mr. Y. J. Tanaporowalla, B.A.**

**Mahamahopadhyay Pramathanath**  
**Tarkabhusan.**

**Mr. G. C. Bose, M.A.**

**Mahamahopadhyay Dr. Satishchandra Vidyabhusan** moved that the Proceedings of the Executive Committee of the Council of Post Graduate Teaching in Arts, dated the 13th December, 1918, be confirmed.

**Dr. Brajendranath Seal** seconded the motion, which was put to the vote and carried.

**Dr. Henry Stephen** moved that the Proceedings of the Executive Committee of the Council of Post Graduate Teaching in Arts, dated the 13th December, 1918, be confirmed.

**Dr. Brajendranath Seal** seconded the motion.

**Principal G. C. Bose** enquired whether he could propose the addition of a name to the list of external Examiners in one of the subjects for the M.A. Examination, 1919.

**Dr. Seal** enquired whether **Principal Bose** had given notice of his intended amendment.

**The President** replied in the negative.

**Dr. Seal** urged that an amendment of this character should not be allowed to be moved without previous notice. The members of the Council would be taken by surprise, if the amendment, which had not been duly notified, was now brought forward. Besides, if notice of the amendment had been sent in time, opinion might have been obtained from the Board of Higher Studies in the subject, which as a body of experts, had drawn up the list of examiners in the first instance, and should have an opportunity to consider the suitability of the additional

name suggested as also the desirability of increasing the number of examiners. He felt strongly that the Council should not be invited, without notice, to modify or reverse the decision of the Board of Higher Studies, specially without opportunity afforded to the members of the Board to express an opinion on the question raised. He finally emphasised that on obvious grounds, it was undesirable to have individual names made the subject of possible discussion in the Council.

Principal Bose enquired whether it was obligatory upon him to give notice of the amendment.

The President replied in the affirmative, but added that under Section 41 of Chapter XI of the Regulations, the Chairman could in his discretion relax the operation of the rules; he felt, however, that in view of the reasons assigned by Dr. Seal in support of the objection taken, he himself felt that he could not as Chairman justly relax the rules in the present instance, so as to enable Principal Bose to bring forward the proposed amendment without prior notice.

The motion was then put to the vote and carried.

(Confirmed).

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.**

FOR THE YEAR 1918-19.

No. 15.

THE 6TH JANUARY, 1919.

*(In circulation)*

Read the following letter addressed to the President of the Council:

Ballav-Asram,  
P. O. Deoghur,

*Deoghur, the 20th Decr: 1918.*

“My Dear Sir Ashutosh Mukerji

With a view to promote research by our Graduates in the domain of Sanskrit learning, I desire to make over to the University Rs 5000 to be invested in three and half per cent Government Securities and thus to constitute a fund for the following purposes:

(1) That a Gold Medal be instituted to be named “Rani-Ramrakshee gold medal” after my late first wife.

(2) That a second gold medal be instituted to be named “Rani Ramrakshee Gold medal” after my late first wife.

(3) That the medals be awarded annually to the authors of the best theses embodying the result of original research or investigations in a topic, connected, in the case of the first medal, with Hindu Philosophy, and, in the case of the second medal, with Vedic studies.

(4) That the subjects for the theses be perscribed by the Board of Higher Studies in Sanskrit at least two years in

advance, and the examination be conducted according to rules framed by the Board from time to time in that behalf.

(5) That the theses be composed in the Bengali language.

(6) That the medals be open to competition among all persons who have at any time been admitted to a degree in this University.

(7) That the theses of the successful candidates be printed and published by the University.

(8) That the medals be presented publicly to the recipients at the annual Convocation for conferring degrees and their names be published in the University Calendar and in the local Gazette.

I would requested you to take the necessary steps to have the offer accepted by the University authorities.

Yours sincerely,  
 Pramathanath Maliah  
 of Searsole."

RESOLVED—

That the Executive Committee recommend that the Senate be moved to accept with thanks the generous offer of Kumar Pramathanath Maliah.

(Confirmed)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*



# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1918-19.

No. 16.

THE 17th JANUARY, 1919.

## Present :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc.,  
Ph.D., *President, in the Chair.*

Rev. Dr. G. Howells, M.A., Ph.D., B.Litt., B.D.	Mr. S. Khalil Ahmed, M.A. Professor Brajendranath Seal, M.A., Ph.D.
Rai A. C. Bose, Bahadur, M.A. Professor H. Stephen, M.A., D.D.	Rev. Dr. W. S. Urquhart, M.A., D.Phil. Professor D. R. Bhandarkar, M.A.
Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.	Mr. Bipinbihari Sen, M.A., B.L.
Dr. I. J. S. Taraporewala, B.A., Ph.D.	Mr. Satishchandra Ray, M.A.
The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.	Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following letter addressed to the President by the  
Hon'ble Dr. Abdulla-al-Mamun Suhrawardy :

TOLLYGUNGE, CALCUTTA.

16th January, 1919.

My dear Sir Asutosh,

You have heard of the lamented death of my sister Begum Sahiba Khujasta Akhtar Banu Suhrawardy on the 12th Instant. She was as you know deeply interested in the education of Moslem girls, founded schools for that purpose in Calcutta and at Midnapore, and was herself the talented author of several well known works in Urdu, some of which have been prescribed as text books by the University. Besides a competent knowledge of English, she had a thorough command of Arabic and Persian and she obtained the Degree of Honor in Persian from

the Board of Examiners. In recognition of her Scholarship, she was, at your instance, nominated an Examiner for the ensuing M.A. Examination in Persian. To perpetuate her memory, I desire to make over to the University a War Bond (1928) for Rs. 1000, to constitute a fund for the following purposes:

(1) That a Gold Medal be instituted to be named "Khujasta Akhtar Banu Suhrawardy Medal."

(2) That the medal be awarded once in every two years, to the author of the best thesis, embodying the result of original research or investigation in a topic relating to the reciprocal influence of Hindu and Moslem Cultures and Civilizations.

(3) That the subject for the thesis be prescribed at least two years in advance, by a Committee of five members appointed by the Executive Committee of the Council of Post-Graduate Teaching in Arts.

(4) That the medal be open to competition among all persons who have at any time been admitted to a Degree in this University.

(5) That the theses be composed in English or in an Indian Vernacular.

(6) That the examination be conducted according to rules framed by the Executive Committee in that behalf from time to time.

(7) That the theses of successful candidates be published by the University.

(8) The medal be presented publicly to the recipients at the Annual Convocation for conferring Degrees and their names together with the titles of the theses be published in the University Calendar and Local Gazette.

I would request you to move the University authorities to accept this offer and to take steps to select the subject for the first award as early as practicable.

Yours sincerely,

A. SUHRAWARDY."

#### RESOLVED—

(1) That the Executive Committee recommend that the Senate be moved to accept the gift with thanks.

(2) That the following committee be appointed to select subjects for the award of the medal in 1919 and 1921:—

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I.

Dr. Brajendranath Seal, M.A., Ph.D.

Mahamahopadhyay Dr. Satishchandra Vidyabhusan, M.A., Ph.D.

**Khan Bahadur Maulvi Muhammad Ibrahim, B.A.**

**The Hon'ble Dr. A. Subrawardy M.A., Ph.D.**

(3) That the following rules be adopted for the award of the Medal :

(i) Each candidates shall be required to submit, not later than the 31st October in the year for which the award is to be made, a thesis or record of original work in the subject selected for the year, and to send three typewritten or printed copies of his thesis or record of work, to the Secretary to the Post-Graduate Council in Arts, under a distinguishing motto. The name of the candidate must also be forwarded at the same time in a sealed envelope with the motto outside.

(ii) Each candidate shall further be required to indicate generally in a preface to his thesis and specially in notes, the sources from which his information is taken, the extent to which he has availed himself of the work of others and the portions of the thesis which he claims as original. He shall also be required to state whether his research has been conducted independently, under advice, or in collaboration with others, and in what respects his investigations appear to him to tend to the advancement of knowledge.

(iii) A Board of Honorary Examiners consisting of not more than three experts shall be appointed by the Executive Committee to adjudicate upon the merits of the theses or records of original work submitted by the candidates. The award of the Board of Examiners shall be subject to confirmation by the Executive Committee and the Council of Post-Graduate Teaching in Arts."

Read the following Proceedings of the Board of Higher Studies in Pali, dated the 3rd January, 1919 :

"Read the following scheme of Typical selections in Pali drawn up by Mahamahopadhyay Dr. S. C. Vidyabhushan, M.A., Ph.D. and Dr. B. M. Barua, M.A., D. Litt.

The following scheme is drawn up in the form of historical sketch of Pali language and literature in so far as they have bearing upon the development of Indian vernaculars. The Pali language and literature will also be considered in their process of growth, side by side with that of Sanskrit and Prakrit. Philology will be the principal point of view. The selected pieces will be arranged in such chronological order as to indicate clearly the gradual evolution of philosophical ideas, and religious and ethical principles.

We propose to arrange the pieces under three heads *viz* :—

1. Pre-Pitaka.
11. Pitaka.
111. Post-Pitaka.

These comprise the three main stages of development.

Part I. Of these the first, *viz.*—the Pre-Pitaka selections will include passages throwing light on the general history of India from the earliest times down to the death of Buddha. The passages will consist of isolated fragments and episodes and verses that first sprang up within the different Communities of Buddhist Order established in different parts of the country during the life-time of Buddha. These will be considered as the older materials with which the first superstructure of the Pitaka literature was built up. To take them in order, we shall first consider the fragments of stock passages referring to Vedic literature and culture and reproducing more elaborately or systematically the philosophical thoughts and religious and moral principles contained in the Brahmanas Aranyakas, Upanishads, the Kalpasutras, the Arthashastra and Kamasutra. Next, we will take into account the fragments bearing on the development of thought, languages and institutions during the Neovedic and Sophistic Period, which partly coincides with the early history of Buddhism. We will notice carefully their influence on the formation of new literary vehicles from conversational dialects and Sanskrit. The Jaina Prakrit and Pali will be regarded as the two important survivals of these literary vehicles which bear throughout a family-likeness in point of idiom, syntax, nomenclature and method of exposition. The value of the isolated episodes, old and new, which the Buddhists made their own and used as illustrations as occasion arose, will be judged as forming a connecting link between the similar episodes in the contemporary and early literatures on one side, and the later jatakas and other Indian fables on the other.

The verses, either composed or remodelled by the Buddhists, which in metre and structure connect the early Buddhist literary efforts with contemporary and pre-Buddhist compositions, will next receive our attention. This is what the first section of the pre-Pitaka stage will be concerned with.

The second section will embody

(1) the fragments, giving stereotyped expositions of the Buddhist Doctrine or of the body of rules for the guidance of Bikkhus and laity, which are associated with the teacher himself ;

and (2) similar fragments, which are attributed to the disciples of Buddha, and point to the period in question.

A supplementary section will be added for examining the different types of literary effusions, which came into existence during the life-time of Buddha, and their significance and value in the history of Indian literature will be duly noticed.

Part II. Under this head we shall be concerned with formation of the Pitaka literature, extending over three centuries from the death of Buddha to the reign of Asoka. The Pitaka selections, comprising pieces in prose as well as in verse, from the three Pitakas will be carefully differentiated from the older materials, noticed in connection with the pre-Pitaka passages, with regard to their style, form, contents and purpose. The date of their composition will be fixed as far back as the first Buddhist council and as late as the third council, the death of Buddha and the reign of Asoka representing the upper and the lower limit respectively. These will be supposed to be the compositions of Buddha's disciples who survived the teacher and of their disciples. The Nettipakarana, the Petakopadesa and other works which are associated with the name of Mahakaccayana will be placed side by side with the Pitaka literature on the ground that they profess to be the methodical expositions of Buddha's doctrine in its purest original form. The Kathavatthu, a book of controversy, composed during or immediately after the reign of Asoka will be taken as the last landmark in the growth of the Pitaka literature, strictly so called. Whereas in the first part our attention was chiefly commanded by isolated fragments, episodes and verses, the Pitaka selections will include passages and extracts taken from the discourses or texts complete in themselves.

The first section of this part will contain

(1) the discourses in prose or in verse attributed to Buddha's disciples who survived the teacher ;

(2) the suttas or texts *e.g.*, the Sangitisuttanta, the Anguttaranikaya, the Saimyuttanikaya, which were intended to be used as so many handbooks or manuals of the Buddhist doctrine ;

(3) such texts as the Niddesa, the Patisambhidamagga and the rest which stand midway between the older materials of the canon and higher expositions in the Abhidhamma books ;

(4) such anthologies and selections as the Sagathavagga of the Sainyutta Nikaya, the Suttanipata, the Theri-Therigatha, the Dhammapada, the Itivirttika and the Khuddakapatha, to be considered with special reference to the development of the Niti literature, Asoka's dhamma, Indian ballads, lyrics and sonnets ;

(5) the Jataka book in verse together with the older Jatakas in prose embedded in the sutta and vinaya Pitakas, which form a connecting link between the current episodes used by Buddha and his disciples as illustrations and

(6) such legendary compositions as the Cariya Pitaka, the Apadana, the Mahapadanasuttanta, the Buddhavamsa, the

Peta-and-Vimanavatthu, to be considered in relation to such later compositions in Pali or in Buddhist Sanskrit as the Lalitavistara, the Jinacarita, the Mahavastu and the Avadana literature.

*N.B.*—The jatakas and similar compositions will be judged as popular efforts, very similar to those episodes, ballads and dramatic pieces, which may be said to form the materials for the Indian dramas, epics, Puranas and Fables.

The second section will embody

(1) the portions incorporated in the Abhidhamma books, excluding the Kathavatthu, which supplement the suttanta expositions and the Vinaya rules by higher expositions under the name of Abhidhammā bhajaniya;

(2) the Nettipakarana, the Petakopadesa and other works ascribed to Mahakaccayana which profess to be the methodical expositions of Buddha's doctrine and of the Buddhist canon as a whole, and are characterised by a new scientific nomenclature and prosaic diction quite peculiar to such Sanskrit texts as the older Dharmasutras, the Panini, the Kautilya Arthasastra and Patanjali's Mahabhasya,—the Nettipakarana in particular to be judged as a transitional link between the three Pitakas and the Vedangas on one side and the later Buddhist commentaries, lexicography logic and grammar on the other;

(3) the Kathavatthu, which is a famous book of controversy throwing light on the Philosophical and Theological developments within the Buddhist order, the Kathavatthu representing an important landmark in the history of Buddhist commentaries and Nyaya Philosophy in India.

A supplementary section will be added by way of examining some of the important passages now included in the Pali canon, the date of which extends as far as the reign of King Asoka, indicative of the process of formation of the gatha dialects contained in the Buddhist Sanskrit works. These dialects will be judged as effecting a transition from Pali to Sanskrit within Buddhist literature, side by side with a similar transition effected within Jaina literature from Ardhamagadhi to Sanskrit. The dialects will also be considered as shedding light over the under-current of conversational dialects characterising Asokan edicts, and culminating in the languages of the Buddhist songs and Dohas, brought to light by Mahamahopadhyay Pandit Haraprasad Sastri.

Part III. The third stage called the Post-Pitaka will be supposed to date from the Milindapanho, a delightful Pali composition which, in the opinion of some scholars, was originally a translation from Buddhist Sanskrit. The lengthy

dialogue of which the text is composed is quite the characteristic of the age. In it we reach a richer synthesis of older isolated controversies embodied in the Kathavatthu. The exalted positions of the heroes, their moral equipments and high intellectual perceptions, the dignified tone maintained throughout the dialogue, the lucidity, eloquence and copious illustrations have an air of novelty. The fruitful combination of romance with history, of elegance with insight, characterises the piece of work, and connects it intimately with the classical works of Asvaghosa, the Mahabharata, the Yajnavalkyasamhita and the like. The Milindapanho will also be estimated as another outstanding feature in the development of the Buddhist commentaries which were, according to tradition, translated by the Thera Mahinda, son of Asoka, into Singalese. The period which followed is characterised by five classes of literature; *viz* :—(a) the historical, philosophical and ecclesiastical manuals *e.g.* the Abhidhammavata, the Vinayavinicchaya, the Abhidharmakosa, the Rупarupavibhaga, the Abhidhammatthasangaha, the sadhammasangaha ; (b) the commentaries and sub-commentaries-Atthakatha, the Mulatika, the Anutika, the Madhutika, the Gandhi ; (c) the lexicography vocabulary, grammar, philology, rhetoric and prosody ; (d) the historical and mythological legends *e.g.* the Dipavamsa, the Mahavamsa, the Anagatavamsa the Bodhivamsa, the Gandhavamsa, the Sasanavamsa etc. and (e) the metrical compositions, *e.g.* the Jinacarita, the Samantakutavannana, the Telakatahagatha etc. Taking synthesis or eclecticism to be the key-note of Post-Pitaka selections, we propose to arrange the pieces in three separate sections, *viz* :—

(1) the first containing passages from the Milindapanho, the representative work of the Romantic classical period ;

(2) the second will contain extracts taken from the work of Buddhadatta, Buddhaghosa, Dhammapala, Mahanama and a few other representative writers of the classical scholastic period ;

(3) the third will include passages from the later commentaries, chronicles, compendia and similar scholastic works."

RESOLVED—

That the scheme be generally approved."

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Bord of Higher Studies in Sanskrit, dated the 17th January, 1919.

Read the following memoranda, setting out schemes for the preparations of a Prakit Grammar and Prakrit Dictionary by

**Babu Muralidhar Banerjee and Pandit Hargovind Das Sheth,**  
University Lecturers in Prakrit.

### **SCHEME FOR A PRAKRIT GRAMMAR.**

**The object of the Grammar :—**

The proposed Prakrit Grammar will have for its special object a direct study of the Grammatical structure of Prakrit independently of the model of Sanskrit.

The Study of Prakrit has suffered from a blind adherence to the artificial technicalities of Sanskrit Grammar adopted in all the old Prakrit Grammars in which an attempt is made to derive not only the Prakrit inflections and suffixes but also the roots and bases from Sanskrit by applying suttras. This is neither true in theory nor of any practical advantage. It rather puzzles those who are not already familiar with the technicalities of Sanskrit Grammar. The affinity of the Tadbhava words and some of the suffixes to Sanskrit does not justify the universal deviation of all Prakrit stems and suffixes from Sanskrit. This affinity may be pointed out parenthetically where it really exists, but the general grammatical structure of Prakrit should be studied independently of Sanskrit.

**2. The scope and province of the Grammar :—**

The proposed Grammar will give a prominent place to Maharastrī as the most important Prakrit dialect from a literary point of view and will point out the differences of the other Prakrit dialects as only variations of it. This, of course, is not historically true but the precedence given to Maharastrī both by Varuruchi and Hemachandra is justified by practical advantage and therefore, should be retained in the present work. The work will give the net result of the researches carried on in the whole field of Prakrit dialects in connexion with the proposed Prakrit Dictionary and will cover, perhaps, a wider field than Pischols, *Grammatik der Prakrit-sprachen* so far as the Grammatical forms proper are concerned, but unlike that work will relegate the laws of letter-change between Sanskrit and Prakrit words to a secondary place as belonging rather to the province of an Etymological Dictionary of Prakrit and, therefore, to be treated more fully in the Introduction to the proposed Prakrit-Dictionary.

**3. The plan of the work :—**

To suit the above aim and scope of the Grammar the plan to be adopted is outlined below :—

The main bulk of the work will be a Grammar of the Maharastrī dialect. The laws of the letter-change between Sanskrit and that dialect will be given briefly in an Appendix. The Grammar of the other Prakrit dialects as well as the laws



of their letter-change will be given in separate Appendices. The main divisions of the work are shown below :—

Table of contents of the proposed Prakrit Grammar.

Chapter I. The Alphabet (Akshara).

Chapter II. The bases and case-affixes (Nama and Vibhakti).

Chapter III. Declension (Nama-rupa).

Chapter IV. The roots and tense suffixes (Dhatu and Bibhakti).

Chapter V. Conjugation (Dhatu-rupa).

Chapter VI. The Cases (Karaka).

Chapter VII. The Moods and Tenses (Lakarartha).

Chapter VIII. Primary suffixes (Krit).

Chapter IX. Secondary suffixes (Taddhita).

Chapter X. Letter-change in compounds (sandhi).

Chapter XI. Compounds (Samasa).

Chapter XII. Composition (Vakya-rachana).

Appendix (A) Letter-change in Maharastri and Sanskrit.

Appendix (B). Letter-change in other Prakrit dialects and Sanskrit.

Appendix (C). Outline of the Grammar of other Prakrit dialects.

Appendix (D). Index of Prakrit words.

Appendix (E). Index of subjects treated.

### SCHEME FOR A PRAKRIT DICTIONARY.

The outlines of a scheme for the proposed Prakrit-Dictionary is subjoined below.

The object of the work :—

The object of the proposed Prakrit-Dictionary is primarily to facilitate the study of Prakrit by supplying the want of a comprehensive and authoritative Dictionary of the language based upon a study of the original sources and secondarily to help the scientific study of the modern Aryan vernaculars of India all of which are directly descended from the various Prakrit dialects.

Keeping in view the above object of the Dictionary its scope and limits may be thus defined :—

Its Scope and limits :—

It is to include all the Prakrit dialects that have been preserved in literature and stereotyped by grammarians—Magadhi, Ardhamagadhi, Maharastri, Sauraseni, Paisachi, Avanti, Dakshinatya, Apabhramsa, etc. excluding only Pali, the earliest secondary Prakrit that has been preserved in the canonical literature

of the Southern Buddhists, because it has a wide field and has already been dealt with by Childers in his excellent Pali Dictionary. It would include, therefore, all words found in the canonical literature of the Jainas, the Angas, the Upangas, the Maṃṣasūtras, the Chheda Sūtras, the Payannas and the Chulika Sūtras. It would also include all words in later Prakrit literature religious or secular-embracing the following branches :—

Poetry, Drama, Anthologies, Biography of saints and legends and Technical literature comprising Philosophy, Logic, Law, Astronomy, Grammar, Prosody and Lexicography.

Its method historical :—

The method of treatment is to be historical. This is necessary to fulfil its object to serve as a basis for the scientific study of the modern Indo-Aryan vernaculars. It must therefore, give first the Etymology of every word of the Aryan family (the so-called Tadbhavas) tracing the oldest form of it preserved in the Vedas and pointing out the successive transformations through classical Sanskrit, Pali and the language of the Asoka inscriptions till we reach the stage of the various literary Prakrits, lastly coming down to the literary Apabhraṃsas from which the modern vernaculars are directly descended. The history of the Tadbhava words being thus traced, an attempt is also to be made, as far as practicable, to trace the origin of the Desi words not derived from Indo-Aryan dialects but from local non-Aryan dialects. The meanings of the words are also to be given in historical order, the oldest meanings first, the later meanings afterwards. The meanings will be supported by illustrative quotations from contemporary literature and references to the documents quoted from will always be given. Other special features of the work :—

Among other distinctive features of the Dictionary the following may be pointed out :—

The meanings are to be given in the nearest Sanskrit words as well as in English. In case of technical terms, the meanings would be given by definitive statements quoted from the ancient Prakrit documents whenever suitable passages are available and in their absence from authoritative commentaries which are in Sanskrit with the translation of all quotations in English. Thus the Dictionary would be of encyclopædic character supplying accurate exposition from original sources of all Jaina Philosophical, Ethical and Religious doctrines and other technical terms in Prakrit literature. Whenever quotations are made full references will be given. The Dictionary will contain names in fiction, Mythology, Biography and Geography inserted in the main vocabulary and not in separate Appendices.

The President laid on the table the following bibliography of Prakrit Grammars and Dictionaries.

*Prakrit Grammars.*

- M. Lakshmana Sastri—An Epitome of Prakrit Grammar. Tanjore, 1904.
- Delius (N.) Radices Pracriticae. Bonne ad Rhenum, 1839.
- Hoefer (C.G.A.) Pomerani de Prakrita Dialects, libri duo. Berolini, 1836.
- Simharaja-Prakritarupavatara: a Prakrit Grammar based on the Valmikisutra. Ed. by E. Hultzsch, London, 1909.
- The Prakrita-Lakshmanam or Chanda's Grammar of the ancient Prakrit. Ed. by A. F. R. Hoernle Pt. 1, Calcutta 1880.
- Hrisikesa Sastri—A Prakrit Grammar with English translation. Published by Lalla Meherchand. Lahore, 1883.
- Vararuchi—Prakrita Prakas. Ed. by Basantakumar Chattopadhyay. Calcutta, 1914.
- Pischel (R.) Grammatik der Prakrit-Sprachen. Strassburg, 1900.
- Vararuchi—The Prakrita Prakasa, with the commentary-Manorama—of Bhamaha, to which is prefixed a short introduction to Prakrit Grammar. By E. B. Cowell, London, 1868.
- Hemchandra. Siddhahemachandra, Adhyaya VIII. (appearing as an appendix to the Kumarapalacarita.)
- Vararuchi—Prakrita Prakas. Ed. with Marathi introduction and commentary by Sankar Ramachandra Hatvalne, Poona, 1900.
- Vararuchi—Prakrita Prakas. Revised by Rama Sastri Tailanga. Benares, 1899.
- „ Prakrita Prakas. Ed. by Rebati Kanta Bhattacharyya.
- Prakritamanjari—(Nirnayasagar Press).
- Trivikrama Deva. Prakritamanidipa and Prakritasabdadipika. (Nos. 8 and 9 of Venkataranganatha Svami's Grandha Pradarsini.) Vizagapatam, 1895.
- Lalchandra Sarma—Padyaprakrita. Vyakaranam. With Hindi commentary. Ed. by Sivadana Malla, Benares, 1901.

Heimachandra—Hemchandra's Grammatik der Prakritsprachen (Sidha-Hemachandram) mit Kritischen und erläutern-den Anmerkungen herausgegeben von R. Pischel. Halle, 1870-80. (2 pts.)

Prakrita Balabhāsa Vyākaraṇa. Ed. By Krishna Sastri Mahabala. Bombay, 1872.

*Prakrit Dictionaries.*

Vijaya Rajendra Suri—Abhidhana Rajendra. (In progress).

Hemchandra—Abhidana-cintamani. With Bengali translation by Narayanchandra Bhattacharya. Calcutta, 1907.

„ Anekarthasamgraha. Ed. with extracts from the commentary of Mahendra by Theodor Zachariae. Vienna, 1893.

„ Abhidhana-cintamani. Ed. Narmadasankara Damodara Sastri. Bombay, 1900.

„ Abhidhana-chintamani Ed. by Sivadalla and Kasinath Pandurang Parab Bombay, 1889.

„ (Abhidana Samgraha. Nos. 6-11.)

„ The Desinamamala. Ed. with critical notes, a glossary and a historical introduction by R. Pischel & Dr. G. Bühler, Pt. I. Text and Critical notes. Bombay, 1880.

RESOLVED—

That the consideration of the schemes be postponed till the preparation of the Typical Selections entrusted to Sir R. G. Bhandarkar and Dr. P. D. Gunc.

The President stated that at his request Pandit Bhagabatkumar Sastri, M.A., had agreed to deliver a course of lectures on the “Bhakti Cult—its rise and progress” according to the following syllabus :

“Chapter 1. Religion of the hymns—earliest phase of the cult of devotion—Śraddha-bhakti.

„ 2. Heresy at work.

„ 3. Speculations in the supplementary Vedas—enquiries into the spiritual nature of man—Jnana-Karmavada—the religious doctrines of abstract devotion.

„ 4. Materialism raises its head.

„ 5. Rise of distinct philosophical systems to support orthodoxy—devotion to religious duty and and abstract self-Yoga and Samkhya.

- Chapter 6. Samkhya and Yoga subjected to fierce criticism—  
Heresy and orthodoxy meet on the common  
platform of contemplative Upasana or Dhyana.
- „ 7. The Smarta system and the Vedānta Cult—  
Upasana carries a new import.
- „ 8. Rise of the Satwata or Bhagavata schools—  
Pasupata and Vaishnava Yogas—Bhakti as  
personal devotion revives in a grander form—  
Itihasa, Purana and Agama proclaim the  
doctrine.
- „ 9. Vedic origin of Vishnu worship and the gradual  
rise of Vishnu as the centre of religious  
activities.
- „ 10. Essential attributes of Vishnu—Bhakti alone  
explores them full scope and aims of Bhakti.
- „ 11. Personal aspects of Vishnu as disclosed in  
Bhakti Philosophy.
- „ 12. The Eternal Home of Vishnu.
- „ 13. Maya or Prakriti and her jurisdiction.
- „ 14. The individual soul and its functions—relations  
between the individual soul and the universal  
soul.
- „ 15. Other religious Cults adapted to Bhakti.
- „ 16. Bhakti in its own elements in worldly life.
- „ 17. Bhakti merged in Divine life.
- „ 18. Inspiration, initiation and guidance first impres-  
sion of real life.
- „ 19. All round life-inculcation in details of devotion.
- „ 20. Sense-life in devotion.
- „ 21. Intellectual life in devotion.
- „ 22. Emotional life in devotion.”

**RESOLVED—**

That arrangements be made for the delivery of the lectures.”

**RESOLVED—**

That the Proceedings be confirmed.

Read an application from Mr. C. O. Elias, who passed the B.A. Examination, 1918 and could not get himself admitted into the Post-Graduate Class, praying that as there was delay in publishing the results of the last B.A. Examination, he may be allowed to join the 5th-year Class in Economics (Group A) and be granted some concession as regards probable deficiency of percentage of attendance.

**RESOLVED—**

That the application be refused.

Read an application from Mr. T. Kasturi-Reddi, who appeared at the last M.Sc. Examination in Pure Mathematics as a University student but could not sit for the last six papers owing to sudden illness, praying that he may be permitted to appear at the forthcoming examination in the aforesaid subject as a University student.

**RESOLVED—**

That the application be granted.

Read an application from Babu Nripendrachandra Saha, who appeared at the last M.A. Examination in Economics as a University student and could not sit for the last three papers owing to sudden illness during the period of examination, praying that he may be permitted to appear at the M.A. Examination, 1919, in Economics, as a University student.

**RESOLVED—**

That the application be granted.

Read a letter from Babu Sisirkumar Maitra, M.A. requesting to be supplied with 15 copies of his translation of Prof. Stein's work "Philosophical Currents of the Present Day", the first volume of which is just out, also requesting that a formal deed of agreement between himself and the University regarding the aforesaid work may be executed at an early date.

**RESOLVED—**

(1) That Mr. Maitra be supplied with 15 copies free.

(2) That the cost of printing and publication be first met out of the sale proceeds and that the balance be made over to Mr. Maitra.

The Secretary reported that Dr. Benimadhab Barua's "Prolegomena" had been printed in the University Press, under instructions from the President, and requested the Executive Committee to fix the price of the same.

**RESOLVED—**

(1) That the action taken be approved.

(2) That the price of the book be fixed at Rs. 1 per copy.

(3) That a copy of the book be sent to each member of the Boards of Higher Studies in Philosophy, Pali and Sanskrit.

Read an application from Babu Puligbihari Ray, an Assistant in the office of the Secretary, who has been suffering from influenza and heart trouble, praying that he may be granted an extension of leave for a further period of three.

months without pay with effect from the 24th December, 1918, and enclosing a medical certificate.

**RESOLVED—**

That extension of leave be granted as prayed for.

Read a letter from Dr. Haridas Bagchi, University Lecturer in Mathematics, stating that as he has been suffering from Gastritis he may be granted leave for one month with effect from the 2nd January, 1919, and enclosing a medical certificate in support of his application.

The Secretary stated that other members of the staff had agreed to deliver the lectures assigned to Dr. Bagchi.

**RESOLVED—**

That leave be granted on full pay.

Read a letter from Babu Pramodranjan Dasgupta, M.Sc., tendering his resignation of his appointment as University Lecture in Experimental Psychology with effect from the 1st January, 1919.

**ORDERED—**

To be recorded.

The Secretary reported that the Hon'ble Dr. Subrawardy had not been able to take his classes in History, Arabic and Persian during the days that he was engaged in work connected with the Franchise Committee.

The Secretary reported that in addition to the sum of Rs. 1000 mentioned in the proceedings of the Executive Committee, dated 27th September, 1918, the following further contributions to the Poverty Problem Study Fund had been received and that the total sum of Rs. 1476 had been paid into the University Fund.

	Rs.
Sum previously detailed	... 1,000
Mr. J. N. Mehta	... 250
„ Tricandras Bhoja	... 101
„ Norman Ross	... 100
„ R. N. Newson	... 25
<b>Total</b>	... <u>1,476</u>

The Secretary submitted the following bills for sanction of payment :—

- (i) A bill from Mr. P. Chatterjee for Rs. 25 for supplying one set (7 volumes) of Ramayana (original Burdwan Raj Edition) for the Library of the Post-Graduate Department.

(ii) A bill for Rs. 4402-6-1 from Messrs. R. Cambray & Co., for supplying books to the lending Library of the Post-Graduate Department in English, Pali, Sanskrit, Arabic and Persian, Comparative Philology, History, Economics and Indian Antiquities. (This amount is covered by the Budget grant for 1918-19).

(iii) A bill for Rs. 432 from Messrs K. A. Mullick & Co., for supplying furniture for the Secretary's Room and the Professor's waiting room. (Executive Committee, dated the 10th July, 1918.)

(iv) A bill for Rs. 9-10-0 from Messrs. H. M. Ganguli & Co., for repairing two chairs with new leather-covers.

(v) Two bills for Rs. 85-5-0 and Rs. 7-8-0 respectively from Messrs. Macmillan & Co., Ltd., for supplying some books on Economics for the lending Library of the Post-Graduate Department.

(vi) A bill for Rs. 100-12-0 from the Manager, Sri Vani Vilas Press for supplying 2 sets of Sankaracharya's Works" for the "Sankaracharya's Library of the Post-Graduate Department.

(vii) Two bills for Rs. 2-7-6 and Rs. 52-12-9 respectively from Messrs. Mackenzie Iyall & Co., Roneo Ltd., for supplying Stationery for the office of the Secretary.

(viii) A bill for Rs. 18-2-0 from Messrs. Choudhry Burdhan & Co., for supplying one letter-cabinet for the Secretary's Room.

(ix) A bill for Rs. 24 from Messrs. Thacker Spink & Co., for supplying a copy of Hillier's "Chinese Language and how to learn it" for the Library of the Post-Graduate Department.

**RESOLVED—**

That the bills be paid.

The Secretary stated that the question as to the date when the next M.A. and M.Sc. Examinations would be held required consideration.

**RESOLVED—**

That a recommendation be made to the Syndicate that the M.A. and M.Sc. Examination, 1919 be held on the 1st September and following days, in as much as (1) the lectures to the Fifth year Class as in 1917 were commenced in the first week of September, by reason of the new Post-Graduate Regulations coming into operation, and (2) considerable time for work was lost in 1918 as the classes were closed on account of the influenza epidemic.



The Secretary asked that the holidays for 1919 might be fixed.

**RESOLVED—**

That the following list of holidays be approved :—

"New Year's Day	. January 1st, Wednesday.
Sri Panchami	.. February 5th and 6th, Wednesday and Thursday.
Dole Jatra	.. March 16th, Sunday.
Chaitra Sankranti	. April 13th, Sunday.
Easter Holidays	.. April 18th to 21st, Friday to Monday.
Summer Vacation including King's Birthday, Sobeharat, Dasahara, Ratha Jatra.	April 22nd to June 29th, Tuesday to Sunday.
Id-ul-Fiter.	... June 30th and July 1st, Monday and Tuesday.
Janmastami	... August 18th, Monday.
Eduz-Zoha	... September 6th, Saturday.
Durga Puja Holidays including Mahalaya, Laksmi Puja, Kali Puja, Bhatriditiya, Jagadhatr Puja, Maharam.	} September 23rd to November 3rd, Tuesday to Monday.
Kartik Puja	
Akheri Chahar Shomba	November 16th, Sunday.
Fateha Doaz Dahom	November 19th, Wednesday.
Darbar Day	December 6th, Saturday.
Christmas Holidays	December 12th, Friday.
	December 23rd to 31st, Tuesday to Wednesday."

Read a letter from Dr. Taraporewala, who has been appointed in collaboration with Prof. Dhruva to prepare a book of Typical Selections in Gujrati Literature, requesting sanction of appointment of two competent assistants on Rs. 25 per month each for about a year to help him and his colleague generally in the work of compilation.

**RESOLVED—**

That two sums of Rs. 300 each, payable in equal quarterly instalments, be placed at the disposal of Dr. Taraporewala and and Prof. Dhruva.

Professors Bhandarkar and Taraporewala mentioned that special arrangements were needed to prepare typewritten copies of lectures and syllabus in their departments. The Secretary stated that an additional typewriting machine was required and an extra typist should be employed.

**RESOLVED—**

That a machine be purchased and a typist be engaged, at present for three months, on a salary not exceeding Rs. 50 a month.

Read an endorsement from Principal R. N. Gilchrist, M.A., of Krishnagar College, forwarding with his recommendation, an application from Babu Dhirendranath Mandal, a student of the 5th-year Class in Pure Mathematics, praying that he may be granted a free-studentship with effect from January, 1919 on ground of straitened circumstances.

**RESOLVED—**

That the application be granted.

Read an application from Babu Asutosh Sarkar, a student of the 5th-year Class in Ancient Indian History and Culture, praying that he may be granted a free-studentship on ground of indigent circumstances,

**RESOLVED—**

That the application be granted with effect from the current month.

Read a letter from the Registrar, Co-operative Societies, Bengal, stating that about a dozen young men, most of them Graduates of the Calcutta University were being trained in his office in the theory and practice of co-operation prior to their being appointed Auditors or Inspectors of the Department and requesting that they might be permitted to attend the lectures on Co-operation delivered by Professor P. Mukerjee at the University on Fridays.

**RESOLVED—**

That the Registrar, Co-operative Societies, Bengal, be informed that the persons mentioned by him will be allowed to attend the lectures free of charge during the remainder of the current session.

The President mentioned that the annotated edition of the *Sabdasakti Prakasika*, prepared by Mahamahopadhyay Gurucharan Tarkadarsantirtha and printed at the University Press in 1914, had not been published and made available to students, as the price had not been fixed.

The Secretary laid on the table a statement of the actual cost incurred in printing the book.

**RESOLVED—**

That the price be fixed at one rupee per copy.  
(Confirmed).

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1918-19

No. 17.

THE 4TH FEBRUARY, 1919.

## Present :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I. M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

Rev. Dr. G. Howells, M.A., Ph.D., B.Litt., B.D.	Mr. S. Khalil Ahmed, M.A.
Rai A. C. Bose, Bahadur, M.A.	Professor Brajendranath Seal, M.A., Ph.D.
Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.	Professor D. R. Bhandarkar, M.A.
Dr. I. J. S. Taraporewala, B.A., Ph.D.	Mr. Bipinbihari Sen, M.A.
The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.	Mr. Satishchandra Ray, M.A.
	Dr. C. E. Cullis, M.A., Ph.D.
	Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following Proceedings of the Board of Higher Studies in English, dated the 28th January, 1919 :

“ Read a memorandum by Prof. Stephen, proposing that the M.A. Examination in Paper VII (Group A), 1919 and subsequent years, be restricted to those dialogues of Landor (contained in Sidney Colvin's Selections) which were completed before 1832 ; also that, as Bennet's Selections from De Quincey are not obtainable in Calcutta at present, the questions on De Quincey for the M.A. Examination, 1919, be founded on Confessions (1821) and Essay on Rhetoric 1828, as the most interesting of the works before 1832.

RESOLVED—

(1) That the list of books previously announced for the examinations of 1919, 1920 and 1921 be amended as follows :—

For

Landor

... Selections by Sidney Colvin.  
(Golden Treasury Series).

Landor

Read

... Selections by Sidney Colvin  
(Golden Treasury Series).  
Dialogues (Imaginary Conversations).

1. Peleus & Thetis.
- VI. Marcellus & Hannibal.
- IX. Metellus & Marius.
- X. Tiberius & Vespasian.
- XI. Leofric and Godiva.
- XIII. Mahomet and Sergius.
- XVII. Henry VIII & Anne Boleyn.
- XVIII. Roger Ascham & Lady Jane Grey.
- XX. Lady Lisle and Elizabeth.
- XXI. Peter the Great & Alexis.

(2) That the list of books previously announced for the examination of 1919, be amended as follows :

For

De Quincey

... Selections by Bennet.

Read

De Quincey

... Selections by Bennet

or

Confessions of an opium-eater  
and Essay on Rhetoric.

(3) That the amendments be notified in the Gazette, and a copy of the notification be sent to the Dacca College and Cotton College, Gauhati."

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Sanskrit, dated the 1st February, 1919 :

"The Board proceeded to select two subjects in Vedic Studies for the award of the Rani Ramrakshee Gold Medal (recently founded by Kumar Pramathanath Maliah of Searsole) in 1919 and 1920.

RESOLVED—

That the following subjects be selected :

1919

Arts and Industries in the  
Vedic Age.

1920

**Aryan Manners and Morals as disclosed in  
the Vedas.**

The Board next proceeded to select two subjects in Hindu Philosophy for the award of the Rani Ramrakshee Gold Medal (recently founded by Kumar Pramathanath Maliah of Searsole) in 1919 and 1920.

**RESOLVED—**

That the following subjects be selected :

1919

The influence of Sankaracharyya  
on the religious cults  
of India.

1920

The Doctrine of Karma.

The Board then proceeded to frame rules for the conduct of the examination of the theses which may be submitted in competition for the medals.

**RESOLVED—**

That the following rules be adopted for the award of the medal :—

(i) Each candidate shall be required to submit, not later than the 31st October in the year for which the award is to be made, a thesis or record of original work in the subject selected for the year, and to send three copies of his thesis or record of work to the Secretary to the Post-Graduate Council in Arts, under a distinguishing motto. The name of the candidate must also be forwarded at the same time in a sealed envelope with the motto outside.

(ii) Each candidate shall further be required to indicate generally in a preface to his thesis and specially in notes, the sources from which his information is taken, the extent to which he has availed himself of the work of others and the portions of the thesis which he claims as original. He shall also be required to state whether his research has been conducted independently, under advice, or in collaboration with others, and in what respects his investigations appear to him to tend to the advancement of knowledge.

(iii) A Board of Honorary Examiners consisting of not more than three experts shall be appointed by the Executive Committee to adjudicate upon the merits of the theses or records of original work submitted by the candidates. The award of

the Board of Examiners shall be subject to confirmation by the Executive Committee and the Council of Post-Graduate Teaching in Arts."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Philosophy, dated the 1st February, 1919 :

"Read a letter from the Officiating Principal, Presidency College, stating that Dr. P. D. Sastri has applied for leave for 1 month and 27 days and requesting that arrangement for his lecture-work in Philosophy in the Post-Graduate Department may be made during his absence on leave.

The Secretary reported that Dr. Seal had suggested the distribution of the work assigned to Dr. Sastri amongst Dr. Seal, Dr. N. N. Sengupta and Mr. S. C. Chatterjee.

**RESOLVED—**

That the arrangement proposed by Dr. Seal be approved."

**RESOLVED—**

That the Proceedings be confirmed.

Read an application from Dr. P. D. Sastri, Professor, Presidency College and University Lecturer, applying for leave for 1 month and 27 days with effect from the 3rd February, 1919, on the ground of ill-health.

**RESOLVED—**

That the leave be granted.

Read a letter from Miss Regina Guha, Tutor in English, applying for leave for one month with effect from the 22nd January, 1919 as she has been suffering from Influenza.

**RESOLVED—**

That the leave be granted.

Read a letter from Babu Radhagobinda Basak, M.A., University Lecturer in History, Pali and Sanskrit, applying for leave for 16 days with effect from the 3rd February, 1919, on account of urgent and unavoidable private domestic business for which he will have to go out of town.

**RESOLVED—**

That leave be granted, on condition that lectures due to be delivered during the period of absence are arranged for.

The Secretary placed on the table a statement of the actual cost of publication of the Pali Grammar, Balavataro, and requested that its price may be fixed

**RESOLVED—**

That the book be sold for Rupee One per copy.

Read an endorsement from Babu Indubhushan Brahmachari M.A., University Lecturer in Pure Mathematics, forwarding, with his recommendation, an application from Babu Syamapada Bhat-tacharyya, a student of the 6th-year class in Pure Mathematics, praying that he may be granted a free-studentship with effect from January, 1919 to the end of the current session.

**RESOLVED—**

That the application be granted.

The Secretary requested that the term of appointment of Babu Krishnabihari Raychaudhuri, M.A., who was appointed temporary Assistant in his Office during the absence of Babu Pulinbihari Ray on leave, may be extended to another period of 3 months with effect from the 24th December, 1918 in view of the fact that Babu Pulinbihari Ray would not be able to join before that period.

**RESOLVED—**

That the arrangement proposed be sanctioned.

The Secretary requested that the term of appointment of Babu Jagannathdeb Ray, who was appointed a temporary Library Assistant for 2 months, might be extended with effect from the 21st January, 1919, to such period as the Executive Committee might think fit.

**RESOLVED—**

That the term of appointment be extended till the end of the current session.

The Secretary reported that Babu Amalchandra Ghosh, B.A. has been appointed a temporary Typist in his Office for three months on a salary of Rs. 50 per month with effect from the 21st January, 1919 (Executive Committee dated the 17th January, 1919.)

**RESOLVED—**

That the appointment be approved.

Read the Report of "Khujasta Akhtar Banu Suhrawardy" Medal Committee.

**RESOLVED—**

That the following subjects be prescribed for the award of the Medal in 1919 and 1921 ;

1919

The Story of Nala as related by Vyasa and Faizi—a Comparison and a Contrast.

1920

**Bibliography of Authors, Hindu and Moslem, whose writings exhibit the reciprocal influence of Moslem and Hindu Culture and Civilization."**

Read a letter from Mr. K. Amrita Row, M.A., Lecturer, Presidency College, Madras, on the publication of an English translation of Thumb's Sanskrit Hand-book prepared by him.

**RESOLVED—**

That Mr. K. Amrita Row be requested to send the manuscript, so that an estimate may be prepared of the cost of printing an edition of 750 copies in the University Press.

The Secretary enquired what steps were to be taken to give effect to the following resolution of the Syndicate dated the 8th February, 1918:

"That \* \* \* \* the Executive Councils in Arts and Science be requested to suggest the names of persons who may be invited to deliver courses of Readership lectures."

**RESOLVED—**

That each member of the Post-Graduate Council in Arts be requested to suggest names and subjects and the replies received be laid before the Executive Committee for consideration.

Read a letter from Dr. Haridas Bagchi, M.A., Ph.D., University Lecturer in Pure Mathematics, who was granted leave for one month with effect from the 1st January, 1919, on account of illness, praying that he may be granted an extension of leave for three weeks with effect from the 1st February, 1919 as he is still unfit to resume his work.

**RESOLVED—**

That leave on full pay be granted and that the arrangement for lectures already made be continued.

The Secretary reported that the question of payment of travelling allowance to gentlemen attending meetings in connection with Post-Graduate work had been referred by the Senate to the Post-Graduate Council for consideration and report (Minutes of the Senate, dated the 13th July, 1918) and enquired what steps were to be taken to give effect to the resolution of the Senate.

**RESOLVED—**

That the Executive Committee recommend to the Council that the following report be submitted to the Senate:

"In the opinion of the Council, gentlemen attending meetings of the Post-Graduate Councils, Executive or other



Committees and Boards of Higher Studies (other than meetings of Examiners) should be permitted to draw travelling allowances at the rates sanctioned by the Senate on the 19th August, 1905 (Minutes 1905-06 page 293) for Fellows attending University meetings. The amounts paid as such travelling allowances should be debited against the funds placed by the Government of India at the disposal of the University for payment of travelling allowances of Fellows residing in the mofussil. From the letter of the Director of Public Instruction, Bengal to the Registrar, Calcutta University dated the 6th April, 1905 (Minutes 1904-05, p. 462) it appears that the object of the Government of India in creating the Travelling allowance Fund, was to encourage Fellows residing in the mofussil to attend meetings of the University, as it was considered desirable that they should not be deterred by the expense involved in journeying to head quarters from taking part in University affairs. The rules framed by the Committee of the Senate appointed to carry out this object of the Government of India naturally mentioned only such academic bodies as were in existence at that time. The Council recommend that the scope of these rules should now be widened in view of altered conditions, and the rules should be made applicable to gentlemen attending University Meetings in connection with Post-Graduate work (other than meetings of Examiners). The Council observe that Added members of Faculties have for this purpose been deemed to be in the same category as Fellows, and Members of the Post-Graduate academic bodies should be clearly placed on the same level".

(Confirmed).

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1918-19.

No 8.

THE 8TH FEBRUARY, 1919.

**Present:**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

The Hon'ble Sir Devaprasad Sarvadhikary, Kt., C.I.E., M.A., LL.D.

Dr. G. Howells, M.A., Ph.D., B.Litt B.D.

Rai Bahadur A. C. Bose, M.A.

Babu Ganranganath Banerjee, M.A.

„ Hariprasanna Banerjee, M.Sc.

„ Indubhushan Banerjee, M.A.

„ Narayanchandra Banerjee, M.A.

Dr. Pramathanath Banerjee, M.A. D.Sc.

Babu Pramathanath Banerjee, M.A.

„ Satishchandra Basu, M.A.

Prof. D. R. Bhandarkar, M.A.

Babu Haridas Bhattacharyya, M.A.

„ Pasupatinath Bhattacharyya, M.

„ Haranchandra Chakladar, M.A.

„ Niranjanprasad Chakrabarti, M.

„ Prabhatchandra Chakrabarti, M.

„ Satishchandra Chakrabarti, M.A.

„ Kalidhan Chatterjee, M.A.

„ Nalinimohan Chatterjee, M.A.

„ Nirmulchandra Chatterjee, M.A.

„ Satishchandra Chatterjee, M.A.

„ Rohinimohan Chandhuri, M.A.

„ Nalinaksha Dutt, M.A.

J. N. Das Gupta, Esq., B.A.

Babu Susilkumar Do, M.A.

Babu Sasiudrachandra Dhar, M.Sc.

„ Surendramohan Ganguli, M.Sc.

„ Praphulachandra Ghosh, M.A., B.Sc.

„ Satishchandra Ghosh, M.A.

„ Rajanikanta Guha, M.A.

„ Manoranjan Gupta, M.A.

R. Kimura, Esq.,

Rajagnru Bhagavanchandra Mahasthabir.

Babu Herambachandra Maitra, M.A.

„ Susilkumar Maitra, M.A.

„ Rameschandra Majumdar, M.A.

„ Surendranath Majumdar, M.A.

Maulvi Abu Musa Ahmadul Haq.

Maulvi Aga Mahomed Kazim Shirazi.

Pandit Babnya Misra.

Babu Ambikacharan Mitra, M.A.

Khagendranath Mitra, Esq., B.A.

Babu Sailendranath Mitra, M.A.

„ Bijaygopal Mookerjee, M.A.

„ Panchanandas Mookerjee, M.A.

„ Jitendraprasad Niyogi, M.A.

Samana Punnunana.

Babu Hemchandra Raychaudhuri, M.A.

„ Babu Debendranath Roy M.A.

Surendramohan Sanyal, Esq., M.A.

M.Sc.

Bijoykumar Sarkar, Esq., B.A.  
 Pandit Sakalnarayan Sarma  
 Vedantabisarāṇ N. S. Anantakrishna  
 Sastri.

Babu Asutosh Sastri, M.A.  
 Mahamahopadhyay Lakshman Sastri.

Pandit Sitaram Sastri.

Arun Sen Esq., B.A.

Babu Bipinbihari Sen, M.A.

.. Surondrachandra Sen, M.A.

Dr. Narendranath Sengupta, M.A.  
 Ph.D.

Babu Probodhchandra Sengupta, M.A.

Pandit Hargobind Das Sheth.

Samana R. Siddhartha.

Babu Jogisachandra Sinha, M.A.

Shuikh Abu Nasr Gilani.

Prof. H. Stephen, M.A., D.D.

The Hon'ble Dr. A. Suhrawardy, M.A.  
 Ph.D.

Syed Muhammad Khalil Ahmed, M.A.

Y. J. Taraporewala, Esq., B.A.

Mahamahopadhyay Pramathanath  
 Tarkabhushan.

Pandit Rajendranath Vidyabhushan.

Mahamahopadhyay Dr. Satishchandra  
 Vidyabhushan, M.A., Ph.D.

G. C. Bose, Esq., M.A.

Dr. Howells moved that the Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts, dated the 6th January, 1919, be confirmed.

M. M. Dr. S. C. Vidyabhushan seconded the motion, which was put to the vote and carried.

Dr. Stephen moved that the Proceedings of the Executive Council of Post-Graduate Teaching in Arts, dated the 17th January, 1919, be confirmed.

M. M. Dr. S. C. Vidyabhushan seconded the motion, which was put to the vote and carried.

Dr. Stiphen moved that the Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts, dated the 4th February, 1919, be confirmed.

Principal H. C. Maitra seconded the motion, which was put to the vote and carried.

(Confirmed).

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE.

*President.*

*Secretary,*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1918-19.

**No. 18**

The 24th February, 1919.

PRESENT :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,

*President, in the Chair.*

The Hon'ble Sir Devaprasad Sarvadh-  
kary, Kt, C.I.E M.A., LL.D.

Rev. Dr. G. Howells, M.A., Ph.D.,  
B.Litt., B.D.

Rai A. C. Bose, Bahadur, M.A.,

Prof. H. Stephen, M.A., D.D.

Mr. T. S. Sterling, M.A.

Mahamahopadhyay Dr. Satischandra  
Vidyabhushan, M.A., Ph.D.

Dr. I. J. S. Taraporewala, B.A., Ph.D.

The Hon'ble Dr. A. Subrawardy, M.A.,  
Ph.D.

Prof. Brajendranath Seal, M.A., Ph.D.

Prof. D. R. Bhandarkar, M.A.

Mr. Bipinbihari Sen, M.A.

Mr. Satischandra Ray, M.A.

Mr. J. C. Coyajee, B.A., LL.B.

Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following Proceedings of a joint meeting of the Boards of Higher Studies in Sanskrit, Pali, Arabic and Persian and Comparative Philology, dated the 22nd February, 1919 :—

“The joint meeting was convened with a view to consider the steps to be taken to give effect to the new regulations for the M.A. Degree in Indian Vernaculars which had been sanctioned by the Government of India on the 3rd February, 1919 (the regulations are set out in the Proceedings of the Executive Committee, dated the 5th September, 1918).

**RESOLVED—**

That, as the details of the scheme have to be worked out by a Board of Higher Studies in Indian Vernaculars, the joint meeting recommend that immediate steps be taken to constitute ~~each~~ a Board by

(i) the appointment of University Teachers in the subject, as laid down in Sec. 9(a) of Chap. XI of the Regulations.

(ii) the selection of three members of the Council, as laid down in Sec. 9(b) of Chap. XI of the Regulations.

**RESOLVED FURTHER—**

That the joint meeting recommend that with a view to create a nucleus of University Teachers in the subject, the following gentlemen be appointed University Lecturers in Indian Vernaculars up till the 31st May, 1920 (requisite additions to be made to the staff as may be recommended hereafter by the Board of Higher Studies in Indian Vernaculars from time to time):

Babu Ramendrasundar Trivedi, M.A.  
 Batu Jogindranath Bose, B.A.  
 Rai Sahab Dineschandra Sen, B.A.  
 Babu Charuchandra Banerjee, B.A.  
 Babu Sushilkumar De, M.A.  
 Mahanahopadhyay Dr. Satishchandra Vidyabhushan,  
 M.A., Ph.D.  
 Prof. D. R. Bhandarkar, M.A.  
 Prof. I. J. S. Taraporewala, B.A., Ph.D.  
 Babu Bijaychandra Majumdar, B.A.  
 Babu Sunitikumar Chatterjee, M.A.  
 The Hon'ble Dr. Abdulla-al-Mamun Subrawardy, M.A.,  
 Ph.D.

The joint meeting then proceeded to consider the following observations of the Government of India on the new regulations for the M.A. Degree in Indian Vernaculars:

(1) That the Government of India, on a careful consideration of the discussions upon the subject, are inclined to think that a previous knowledge of some classical language such as Sanskrit or Arabic is desirable in a student who adopts this course for the M.A.

(2) That it appears from the Regulations that the Examinations in Papers III and IV may be dispensed with in the case of a student who desires to offer a thesis and fulfils certain conditions. Regulation II (a) and (e) shows that he has to declare the subject of his thesis after a year's study and then appear in the examination in the remaining papers, submitting his thesis a month beforehand. It is assumed that his total period of study for the M.A. will be two years as laid down in Regulation 1 of Chapter XXXIII, but it is not clear whether the second year of study will be carried on under University Professors or in what manner.

(3) It is observed that a condition of dispensing with Papers III and IV and putting in a thesis instead is a year's study under University Professors. It appears that the same privilege is not contemplated for students of colleges outside Calcutta which may become affiliated in the subject of Indian Vernaculars to the M.A. Degree. This appears to place such colleges at a disadvantage.

#### RESOLVED—

That the joint meeting recommend that an explanatory letter should be sent by the Registrar, on behalf of the Hon'ble the Vice-Chancellor and the Syndicate, to the Government of India, drawing attention to the following points :—

(1) (a) In as much as under Sec. 9 of Chapter XXX of the Regulations for the Matriculation Examination, every candidate is required to pass in a classical language (such as Sanskrit, Pali, Arabic, Persian), it seems probable that a student who adopts the M.A. course in Indian Vernaculars will ordinarily possess "a previous knowledge of some classical language such as Sanskrit or Arabic."

(b) In as much as a student who adopts the M.A. course in Indian Vernaculars will be examined in two basic languages (such as Pali, Prakrit and Persian), he may be expected, under normal conditions, to have acquired a knowledge of some at least of such languages as have intimately affected the growth and structure of the vernaculars.

(c) The question whether a formal test in an Indo-Aryan or a Semitic classical language (such as Sanskrit or Arabic) should form part of the M.A. Examination in Indian Vernaculars—a question which does not appear to be explicitly raised in the letter of the Government of India—must be left to the judgment of experts, and the balance of expert opinion is at present decisively adverse to the adoption of such a course.

(2) In the case of a candidate who offers a thesis, the second year of study must manifestly be under University Professors or Lecturers, as otherwise he would be debarred from appearing at the Examination at the end of the second year (Chap. XXXIII, Sec. 1.)

(3) The right to present a thesis has been deliberately limited to students working in Calcutta under University Teachers, as it was deemed wise to proceed with great caution in the initial stages of a scheme which breaks absolutely new ground in the University. If a College outside Calcutta hereafter obtains affiliation for the M.A. standard in Indian

Vernaculars and provides adequate arrangements for research in the subject by its students under proper safe-guards, the question of a change in the Regulations will be considered on its merits.

Read the following note, drawn up by the Hon'ble Dr. Abdulla-al-Mamun Suhrawardy, on the preparation of Typical Selections in Urdu for the use of students reading for the M.A. Degree in Indian Vernaculars :

"I would divide the subject into the following periods or divisions on historical and philological grounds :

(1) From the last half of the 11th century to the end of the 16th century. This period would comprise the writings of authors like Masud b. Saad (1099 A.D. ?), Saadi of Shiraz, Amir Khusrau of Delhi (13th century), Rao Ram and Malik Muhammad, the author of the *Padmavati* who flourished in the reign of Sher Shah. These authors composed in what they styled *rekhta* which means 'scattered' 'strewn,' referring to the intermixture of Indian and Persian words.

(2) From the end of the 16th century to the end of the 18th century. This period marks the rise and development of Urdu which reached its height during the 18th century. Urdu is a Turkish word meaning a camp or army with its followers, and is the origin of the European word 'horde'. It was the language spoken in the camp of the Mughals. The first Mughal Emperor Babar himself composed poems in this language and we have still extant some Urdu verses by him. Amongst the early writers of Urdu may be mentioned Wali of Deccan, the 'Morning Star' of Urdu song, Ahmad of Gujrat, Siva Ram of Deccan and Kuli and Abdullah Kutb Shah, kings of Golconda.

(3) From the end of the 18th century to the end of the 19th century. This period is marked by the growth of prose literature. From the very beginning Hindu thought and culture exercised a profound influence on Urdu language and literature and many gifted Hindus produced master-pieces in *Rekhta* and Urdu. But in this period, which may be styled the modern period, we have a few European Urdu writers of prose and verse.

In making the selections, I would keep in view the four well-known literary schools of Urdu—the Deccan, Delhi, Lucknow and Calcutta. By the Calcutta school, I mean that of the Fort William College at Calcutta which gave no less an impulse to the cultivation of Urdu prose than the school of Deccan to that of poetry.

In making the Typical Selections the following forms of literature peculiar to Urdu should not be lost sight of, and specimens of each form as far as possible should be included :—

### *I. Poetry—*

- (a) Saqinama (Wine songs).
- (b) Ghazaliyat (Ghazals).
- (c) Qasaid (Odes).
- (d) Mathnaviyat (Couplets).
- (e) Rubaiyat (Quatrains).
- (f) Mukhammasat (Five-lined stanzas).
- (g) Musaddasat (Six-lined stanzas).
- (h) Tazmin.
- (i) Mustazad.
- (j) Tarkib-band.
- (k) Qataat.
- (l) Wasokht (Love songs).
- (m) Rekhti (Verses in the language of women).
- (n) Lorian (Lullabies).
- (o) Marathi (Elegies).
- (p) Salam (Benedictory verses).
- (q) Nauha (Dirge).
- (r) Sahra (Wedding songs).

### *II. Prose—*

- (a) Morals.
- (b) Admonitions.
- (c) Mysticism.
- (d) History.
- (e) Fiction.
- (f) Witty sayings.
- (g) Proverbs.
- (h) The art of speaking with double meaning.
- (i) Riddles.
- (j) Aphorisms.
- (k) Polite conversation.
- (l) Idioms.
- (m) Feminine phraseology.
- (n) Professional idioms.
- (o) Letter-writing.

The scheme if sanctioned will rescue from oblivion the numerous unpublished manuscripts which stand in danger of destruction. I am willing to undertake the preparation of the Typical Selections in Urdu with such assistance of reputed Urdu Scholars of Delhi, Lucknow, etc. as may be found necessary."

### **RESOLVED—**

(1) That the scheme as outlined in the above note be generally approved.

(2) That the Hon'ble Dr. Suhrawardy be appointed to prepare and edit the Typical Selections in Urdu, with the assistance of such other scholar or scholars as may be determined hereafter.

(3) That the honorarium payable to the Hon'ble Dr. Suhrawardy be fixed at Rs. 2,000."

### **RESOLVED—**

That the Proceedings be confirmed.



Read the following Proceedings of a joint meeting of the Board of Higher Studies in English and the Board of Studies in English, dated the 22nd February, 1919 :—

“ The joint meeting was convened to consider the steps to be taken to give effect to the following regulations for the Diploma in Spoken English, which had been sanctioned by the Government of India on the 18th December, 1918 :—

## CHAPTER XL (A).

### DIPLOMA IN SPOKEN ENGLISH.

1. An examination for a Diploma in Spoken English shall be held annually in Calcutta and shall commence at such time as the Syndicate shall determine, the approximate date to be notified in the Calendar.

2. Every candidate for the Diploma must have passed one of the following examinations in this University :—

Master of Arts.  
Master of Science.  
Bachelor of Arts.  
Bachelor of Science.  
Bachelor of Teaching,  
Licentiate in Teaching.

3. Every candidate for the Diploma shall produce certificate to show that he has received training in elocution for a period of not less than one year under a teacher, recognised for this purpose by the Board of Higher Studies in English.

4. Every candidate for admission to the examination shall send his application to the Registrar with a certificate in the form prescribed by the Board of Higher Studies in English, and a fee of Rs. 50, not less than three months before the date fixed for the commencement of the examination.

5. A candidate who fails to pass or present himself for examination, shall not be entitled to claim a refund of the fee. A candidate may be admitted to one or more subsequent examinations on payment of a like fee of Rs. 50 on each occasion.

6. The examination shall be written and oral, and shall be conducted on the lines of a syllabus to be drawn up from time to time by the Board of Higher Studies in English and the Board of Studies in English jointly. The examiners shall be appointed by the Syndicate on the joint recommendation of the Boards.

7. The written examination will consist of one paper and will be held with a view to test a candidate's knowledge of the elements of Phonetics with special reference to the pronunciation of English words.

8. The oral examination will be held mainly with a view to test a candidate's power of elocution and his ability to carry on an ordinary conversation in English.

9. As soon as possible after the examination, the Syndicate shall publish a list of successful candidates, arranged in order of merit in two classes. Candidates shall be bracketed together unless the examiners are of opinion that there is clearly a difference in their merits. The candidate who is placed first in the First Class shall receive a gold medal and a prize of books to the value of Rs. 200; the candidate who is placed second in the First Class shall receive a silver medal and a prize of books to the value of Rs. 100.

#### RESOLVED—

That the scope and purpose of the Written and Oral Examinations be defined by the following syllabus, as required by sec. 6.

#### *Written Examination (Sec. 7).*

Simple questions will be set on

- (a) The organs of speech
- (b) The use of the voice (articulation, phrasing, pitch)
- (c) The classification and production of sounds.

Students are recommended to consult the following books :—

- |                   |     |  |
|-------------------|-----|--|
| *D. Macintyre     | ... | Sources and Sounds of the English Language.  |
| *H. H. Hulbert    | ... | Voice Training in Speech and Song.   |
| *W. Rippmann      | ... | Sounds of Spoken English.  |
| *W. Rippmann      | ... | Elements of Phonetics.   |
| W. Vietor         | ... | The Teacher's Manual.  |
| H. Sweet          | ... | Sounds of English.   |
| H. Sweet          | ... | Primer of Spoken English.  |
| Jespersen         | ... | History of English Language Part I.  |
| *G. Noel Armfield | ... | General Phonetics.   |
| *Daniel Jones     | ... | Pronunciation of English.  |
| *Robert Bridges   | ... | On the present state of English Pronunciation (Essays and Studies of Members of the English Association series Vol I.) |

The more important books in the above list are marked with an asterisk.

*Oral Examination (Sec. 8)*

(a) Reading—(i) Prose ; (ii) Poetry.

(b) Recitation

(c) Conversation.

(d) A short speech.

100 marks shall be assigned to the written examination ; the minimum required for a pass shall be 30 marks.

400 marks shall be assigned to the oral examination ; the minimum required for a pass shall be 200 marks.

No candidate shall be declared to have passed, unless he shall have obtained the prescribed minimum in the written as also in the oral examination.

Candidates who pass and obtain 300 marks in the aggregate shall be placed in the first class.

**RESOLVED FURTHER—**

That a copy of these proceedings, including the Regulations for the Diploma in Spoken English, be forwarded to the Principal of each affiliated College with a request that he will be good enough to state whether he is prepared to assign any member or members of his staff for training candidates for the diploma, in elocution (as contemplated by Section 3 of the Regulations) and if so, to forward the names of such teachers with full statement of their qualifications, for consideration by the Board of Higher Studies in English.

The joint meeting next proceeded to consider, at the request of the Syndicate, the following Memorandum of the Calcutta University Commission on the Regulations for the Diploma in Spoken English. :—

“ 1. We have considered the communication of the Government of India No. 752, dated the 2nd September, 1918, enclosing draft regulations submitted by the University of Calcutta for a University Diploma in Spoken English.

2. We cordially approve the purpose of the University to encourage the improvement of Spoken English, and believe that the institution of the University Diploma would materially assist that purpose. We trust, therefore, that the Government of India will sanction the regulations communicated to us.

3. But while we recommend that the scheme should be brought into operation without delay, we believe that more comprehensive measures might perhaps be taken for promoting the object which the University has in view. The general questions involved will be more fittingly dealt with elsewhere; but we submit below certain suggestions in regard to the scheme as it stands.

4. It appears to us that examinations might be conducted and certificates or diplomas awarded, by the University in Spoken English for two allied but distinct objects, and that the present scheme suffers by attempting to combine these two objects.

5. The first kind of diploma would certify the power to pronounce English words correctly, and to read and speak the language with the right cadence and expression. A power of this kind is valuable not only for the ordinary purposes of life, but specially valuable for the teachers of all subjects in schools and colleges in which English is used as the medium of instruction. But for such persons unless they are about to become teachers of English an expert knowledge of Phonetics appears to be unnecessary, and we see no reason why it should form a subject of the examination. We also see no reason why the University should compel its graduates to follow any prescribed course before being admitted to an examination of this kind. Without entering generally into the theory of examinations we may say that we regard the prescription of a course of study as desirable in the great majority of cases, in which the examination test must necessarily be an incomplete test, covering only a portion of the field of study. But one or two competent and experienced examiners, in half an hour or less, could completely test the capacity of a candidate to pronounce English well and to read and speak with the proper cadence and expression, without requiring any information as to the way in which he had acquired that capacity.

6. The second kind of Diploma would be a Teacher's Diploma. The examination for it would not only cover the same ground as the first examination but would test the power of the candidate to teach others how to speak English well. For such a purpose the present scheme appears to us to err not by excess but by defect. A person might be perfectly capable of obtaining the Diploma in Spoken English proposed by the University and yet be incapable of teaching others, and especially of teaching a class, to speak English well. For a Teacher's Diploma in Spoken English there should, in our judgment, be a course of study, and one which would not only include training in Phonetics,

as proposed in the present scheme, but training in teaching; and the examination itself should include, in addition to the tests proposed in the scheme, a practical test with a class.

7. We desire to comment on one further point in the scheme. It proposes to arrange the candidates in "order of merit". We fear that this might, in existing circumstances, give rise to some difficulties. It must be admitted that while phonetic authorities may recognize a 'standard' pronunciation of English, there are a number of local varieties of pronunciation which are regarded in England as equally admissible in public life; Scotchmen and Irishmen suffer from no disability because their pronunciation differs in certain respects from that of well educated Englishmen. It seems probable that Indians may learn their spoken English from capable Scotch and Irish teachers and catch up their distinguishing characteristics. It would not be right to let any candidate suffer on this account, but nevertheless examiners in deciding between the claims of candidates otherwise equal would probably tend to deduct marks for such characteristic. We suggest that special proficiency in this subject might be more conveniently recognized by returning the somewhat heavy fee specified to those students who were judged worthy of distinction, than in the manner proposed in the draft regulations.

8. We do not wish to discourage in any way this experiment of the University in a new and important field of education. But we cannot help thinking that the Diploma proposed may be unduly onerous for the very numerous class of persons other than teachers of English for whom a University Diploma in Spoken English would be of use; and, on the other hand, that such a diploma may be interpreted as implying a power of teaching good spoken English which those on whom it was conferred will not necessarily possess. We hope, therefore, that the University may be able at a convenient opportunity to modify the scheme on some such lines as those indicated above."

#### RESOLVED—

That a copy of these proceedings, including the Memorandum, be placed before the Faculty of Arts, with the following observations:—

(1) In the opinion of the Board of Higher Studies in English and the Board of Studies in English, an elementary knowledge of Phonetics with special reference to the pronunciation of English words is likely to be useful to candidates for the diploma, but the written test should occupy a relatively subordinate place in the scheme of examination. The Boards have accordingly provided in the syllabus that the written test

should carry only one-fifth of the total marks assigned to the examination as a whole and that only simple questions should be set on the elementary portions of the subject.

(2) The Boards are of opinion that it is of great importance that arrangements should be made to have candidates for the diploma trained by qualified teachers.

(3) That while the Boards are of opinion that a special diploma in Spoken English should be established for teachers, the consideration of the matter should be postponed for the present."

**RESOLVED—**

That the Proceedings be confirmed.

Read a letter from Mr. B. C. Majumdar, B.A., who has been appointed to prepare a book of Typical Selections in Oriya Literature, requesting sanction of appointment of a competent assistant on Rs. 25 a month for six months with effect from the 1st March, 1919, to help him generally in the work of compilation.

**RESOLVED—**

That the proposal be sanctioned and a sum of Rs. 150 be placed at the disposal of Mr. Majumdar, payable in two equal instalments on the 1st April and 1st July, 1919.

Read a letter from Rai Saheb Dineschandra Sen, B.A., Ramtanu Lahiri Research Fellow and University Lecturer in Indian Vernaculars, requesting that two very rare and valuable manuscripts, namely, Chandika Mangal and Harilila by Joynarayan Sen, which are for sale, should be purchased for Rs. 200 for the use of the Post-Graduate students.

**RESOLVED—**

That the suggestion be carried out, the cost to be met out of the Budget grant for the purchase of manuscripts.

Read an application from Babu Nagendranath Chakrabarti, father of Babu Rashbihari Chakrabarti, an assistant in the office of the Secretary, attached to the University Library, praying that as his son is still unfit to resume work, he may be granted a further extension of leave for one month with effect from the 6th February, 1919 and enclosing a medical certificate in support of his prayer.

**RESOLVED—**

That the leave be continued as prayed.

The Secretary requested that the term of appointment of Babu Nripendralal Banerjee, who was appointed a temporary.

Library Assistant for 2 months, may be extended with effect from the 7th February, 1919, to such period as the Executive Committee might think fit.

**RESOLVED—**

That the appointment be continued till the end of the current session.

The Secretary submitted an estimate of cost of Rs. 790 for printing an edition of 500 copies of the "Life of Sivaji Chhatrapati" from original Mahratta Sources, by Babu Surendranath Sen, M.A., University Lecturer in History, in the University Press, for the use of Post-Graduate students.

**RESOLVED—**

That the work be published in an edition of 500 copies.

Read an endorsement from the Hon'ble Dr. A. Suhrawardy, forwarding, with his recommendation an application, from Babu Kalikaranjan Kanangoe, who passed the M.A. Examination in History in 1918, praying that he may be allowed to carry on research work in the Mahomedan Period of Indian History under Dr. Suhrawardy and further that he may be permitted to make use of the University Library.

**RESOLVED—**

That the application be granted, subject to the reservation that the applicant will be permitted to use, but not to remove books, from the University Library.

The Secretary submitted the following bills for sanction of payment :—

(i) A bill for Rs. 11-2-0 from Messrs A. G. Khan Bros. for making 9650 Envelopes out of the University blank Roll Sheets and one Index Book for use in the office of the Secretary.

(ii) A bill for Rs. 36 from the Indian School Supply Depot for supplying 24 boxes of White Chalk.

(iii) A bill for Rs. 34-6-0 from Messrs A. G. Khan Bros for binding 23 charts for the use of the Post-Graduate Philosophy Department.

(iv) A bill for Rs. 13 from Messrs Wilson and Roy for some electric work done by them in the Lending Library Hall of the Post-Graduate Department.

(v) A bill for Rs. 55-2-0 from Messrs Munshi Ghulam Rasul and Co. for supplying 3 uniforms for the cold weather for 3 menials in the office of the Secretary.

(vi) A bill for Rs. 12 from the Manager, *Business* as cost of subscription for one year.

(vii) A bill for Rs. 36-12 from Messrs. Chuckervertty, Chatterjee Co, for books in Pure Mathematics.

**RESOLVED—**

That the bills be paid.

The Secretary suggested that all applications from candidates seeking admission to the M.A. or M.Sc. Examination as non-collegiate students to the Registrar, should in the first instance, be forwarded to the Secretary for verification regarding payment of arrear fees, if any, due to the Post-Graduate Department.

**RESOLVED—**

That the Executive Committee recommend that the suggestion be carried out.

Read an application from Shaikh Abu Nasr Gilani, Lecturer in Persian, praying for leave for three months with effect from the 5th March, 1919, supported by medical certificate.

**RESOLVED—**

That leave on full pay be granted, and that the work assigned to Shaikh Abu Nasr Gilani be distributed among the other members of the staff.

Read a memo. dated the 13th February, 1919, from the Director of Public Instruction, Bengal, forwarding a copy of letter No. 182, dated the 7th February, 1919, from the Under-Secretary to the Government of Bengal, General Department, Education Branch, stating that Dr. Syamadas Mookerjee, Assistant Inspector of Schools, Dacca Division, in class V of the Provincial Educational Service now on deputation on Foreign Service under the Calcutta University, should be called upon to retire from the service of Government, with effect from the 16th June, 1919, the date on which he will attain to the age of 55 years.

**RESOLVED—**

That the Director of Public Instruction be informed that Dr. Syamadas Mookerjee will retire from the service of Government on the date specified.

Read a letter from the Manager, Baptist Mission Press, Calcutta, requesting that 20 reams of 32 lb. Royal Yellow label Paper for printing Dr. Satishchandra Vidyabhushan's "History on Indian Logic" may be supplied to them.

**RESOLVED—**

That, in view of the present high price of paper, the Executive Committee recommend that the paper required be supplied from the stock.



Read an endorsement from Dr. J. Watt, Principal, Scottish Churches College, forwarding, with his recommendation, an application from Babu Saratchandra Datta, a student of the 5th-year Pure Mathematics Class, praying that he may be granted a free studentship with effect from October, 1918 on the ground of straitened circumstances, which have happened in an unforeseen manner since he joined the class as a paying student.

**RESOLVED—**

That the application be granted.

The Secretary reported that a copy of the manuscript of Artha-Sastra-tika had been presented to the Post-Graduate Library by Dr. I.J.S. Taraporewala.

**RESOLVED—**

(1) That Prof. Taraporewala be thanked for his gift.

(2) That the Manuscript be allowed to be consulted in but not removed from the University Buildings, except by special order of the Committee.

Read a letter from Dr. Haridas Bagchi, University Lecturer in Pure Mathematics, praying for a further extension of leave for 3 weeks with effect from 22nd February, 1918, as he is still unfit to resume work.

**RESOLVED—**

That the leave be continued on the same terms as before.

The President laid on the table, the manuscript of a work entitled "An Essay towards an Historical and Comparative Grammar of the Bengali Language, Part I, Phonology—The Persian Element" by Babu Sunitikumar Chatterjee (a thesis approved for the P. R. Studentship).

**RESOLVED—**

That 500 copies be printed for the use of students in the Department of Indian Vernaculars at an estimated cost of Rs. 745.

The President laid on the table the manuscript of a work on "Comparative Philology with special reference to Bengali Dialects" by Babu Sunitikumar Chatterjee (a thesis approved for the Jubilee Research Prize).

**RESOLVED—**

That 500 copies be printed for the use of students in the Department of Indian Vernaculars at an estimated cost of Rs. 1,000.

The President laid on the table the manuscript of a work on "History of Bengali Literature from 1760 to 1825" by Babu Sushilkumar De (incorporating two theses for the P. R. Studentship and Griffith Memorial Prize).

**RESOLVED—**

That 500 copies be printed for the use of students in the Department of Indian Vernaculars at an estimated cost of Rs. 720.

The Secretary reported that the University Publications were frequently requisitioned by Post-Graduate Teachers and Post-Graduate Students.

**RESOLVED—**

That arrangements be made to place in the Post-Graduate Library 6 copies of the University Publications (the list to be drawn up by the Secretary subject to the approval of the President.)

(Confirmed).

**ASUTOSH MOOKERJEE,**  
*President.*

**H. C. MOOKERJEE,**  
*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1918-19.

**No. 9.**

*The 11th March, 1919.*

**PRESENT :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

Dr. G. Howells, M.A., Ph.D., B.Litt., B.D.	J. N. Das Gupta, Esq., B.A.
Rai Bahadur A. C. Bose, M.A.	Babu Rabindramohan Datta, M.A.
Babu Dhireschandra Acharyya, M.A.	Susilkumar De, M.A.
„ Indubhushan Banerjee, M.A.	Sasindrachandra Dhar, M.Sc.
„ Muralidhar Banerjee, M.A.	Babu Surendramohan Ganguli, M.Sc.
„ Narayanchandra Banerjee, M.A.	„ Praphullachandra, Ghosh, M.A.
Dr. Pramathath Bauerjee, M.A., D.Sc.	„ Praphullachandra Ghosh, M.A.,
Babu Pramathanath Banerjee, M.A.	„ Satischandra Ghosh, M.A., B.Sc.
„ Srikumar Banerjee, M.A.	„ Rajanikanta Guha, M.A.
Dr. Benimadhab Barua, M.A., D.Litt.	„ Manoranjan Gupta, M.A.
Babu Radhagobinda Basak, M.A.	Dr. Ramdas Khan, M.A., Ph.D.
„ Satischandra Basu, M.A.	Mr. R. Kimura, Esq.,
Prof. D. R. Bhandarkar, M.A.	„ Herambachandra Maitra, M.A.
Babu Mohinimohan Bhattacharyya, M.A.	„ Susilkumar Maitra, M.A.
„ Pasupatinath Bhattacharyya, M.A.	„ Bijaychandra Majumdar, B.A.
„ Girindrasekhar Bose, M.Sc., M.B	„ Narendrakumar Majumdar, M.A.
„ Haranchandra Chakladar, M.A.	Dr. Rameschandra Majumdar, M.A. Ph.D.
„ Niranjanprasad Chakrabarti, M.A.	Babu Surendranath Majumdar, M.A.
„ Prabhatchandra Chakrabarti, M.A.	Maulvi Abu Musa Ahmadul Haq.
„ Nirmalchandra Chatterjee, M.A.	Maulvi Aga Mahomed Kazim Shirazi.
„ Satischandra Chatterjee, M.A.	Pandit Babuya Misra, Jyotischandra.
„ Sunitikumar Chatterjee, M.A.	Babu Ambikacharan Mitra, M.A.
„ Rohinimohan Chaudhuri, M.A.	„ Sailendranath Mitra, M.A.
„ Nalinaksha Dutt, M.A.	„ Bijaygopal Mukerjee, M.A.
	Dr. Harendracoomar Mookerjee, M.A., Ph.D.
	Babu Radhakamal Mookerjee, M.A.
	Dr. Syamada Mookerjee, M., Ph.D.

Babu Jitendraprasad Niyogi, M.A.

Samana Punnananda.

Babu Hemchandra Raychaudhuri.

„ Debendranath Ray, M.A.

„ Krishnabinod Saha, M.A.

Surendramohan Sanyal, Esq., M.A.,  
M.Sc.

Pandit Sakalnarayan Sharma.

Vedantabhisarad N. S. Anantakrishna  
Sastri.

Mahamahopadhyay Laksman Sastri.

Pandit Sitaram Sastri.

Dr. Brajendranath Seal, M.A., Ph.D.

Arun Sen, Esq., B.A.

Babu Bipinbihari Sen, M.A.

„ Saileswar Sen, M.A.

Babu Surendranath Sen, M.A.

A. C. Sen Gupta, Esq., M.A.

Dr. Narendranath Sen Gupta, M.A.,  
Ph.D.

Babu Prabodhchandra Sengupta, M.A.

Samana B. Siddhartha.

Babu Jogischandra Sinha, M.A.

The Hon'ble Dr. A. Sukrawardy, M.A.,  
Ph.D.

Prof. I. J. S. Taraporewala, B.A., Ph.D.

Y. J. Tiraporewala, Esq., B.A.

Mahamahopadhyay Pramathanath  
Tarkabhushan.

Pandit Rajendranath Vidyabhushan.

Mahamahopadhyay Dr. Satishchandra.  
Vidyabhushan, M.A., Ph.D.

The Council met to elect under Section 9 (b) of Chapter XI of the Regulations three persons from amongst the members of the Council for appointment to the Board of Higher Studies in Indian Vernaculars.

The undermentioned gentlemen had been duly nominated for election to the Board under Section 42 of Chapter XI of the Regulations :—

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I.

Dr. Brajendranath Seal, M.A., Ph.D.

Mr. G. C. Bose, M.A.

Babu Surendranath Majumdar, M.A.

Pandit Kokileswar Sastri, M.A.

The Council then proceeded to take a ballot. After all the ballot papers had been scrutinised, the President declared that the undermentioned gentlemen had been elected members of the Board of Higher Studies in Indian Vernaculars :—

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I.

Babu Surendranath Majumdar, M.A.

Dr. Brajendranath Seal, M.A., Ph.D.

Dr. Howells moved that the Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts, dated the 24th February, 1919 be confirmed.

M.M. Dr. S. C. Vidyabhushan seconded the motion which was put to the vote and carried.

(Confirmed).

ASUTOSH MOOKERJEE,  
*President.*

H. C. MOOKERJEE,  
*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1918-19.

**No. 19**

THE 20TH MARCH, 1919.

Present :

The Hon'ble Sir Asutosh Mukerjee, Kt., G.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

Rev. Dr. G. Howells, M.A., Ph.D., B.Litt., B.D.	Rev. Dr. W. S. Urquhart, M.A., D.Phil.
Rai A. C. Bose, Bahadur, M.A.	Professor D. R. Bhandarkar, M.A.
Professor H. Stephen, M.A., D.D.	Mr. Bipinbihari Sen, M.A.
Mahamahopadhyay Dr. Satishchandra Vidyabhusan, M.A., Ph.D.	„ Satishchandra Ray, M.A.
The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.	Dr. C. E. Cullis, M.A., Ph.D.
Professor Brajendranath Seal, M.A., Ph.D.	„ Syamadas Mukerjee, M.A., Ph.D.

**RESOLVED—**

That applications and fees be received from all candidates for admission to the ensuing M.A. and M.Sc. Examinations in all subjects up to Saturday, the 31st May next.

Read a letter from Lala Sitaram, B.A., forwarding the manuscript of the Typical Selections in Hindi, Part II.

**ORDERED—**

To be recorded.

The Secretary submitted the following draft rules for the Lending Library of the Post-Graduate Department in Arts :

“1. The Library is open daily during term time from 11 A.M. to 5 P.M., Sundays and authorised holidays excepted. On Saturdays the Library closes at 3. .

2. Books will be lent out on the following conditions :—

(a) All students of the Post-Graduate Classes are entitled to take out only one volume at a time from the Library.

(b) Books must be returned within a fortnight of the date of issue. When required for a longer time, they may, on return, be re-issued, if not wanted by another reader.

(c) Any book lost, damaged or defaced must be replaced by the reader responsible for it. If the book is one of a set or series, and the volume cannot be obtained singly, the whole set or series must be replaced at the reader's cost. In either case, until the damage is made good, the reader will not be allowed further use of the Library. The impropriety of writing in the margin of Library books, underlining sentences, marking passages and in other ways defacing books with annotations cannot be too strongly condemned. Should any such case come to notice and the author be discovered, such defacement of Library books will entail the full penalties of this rule.

(d) Any student retaining a book beyond the time allowed, shall pay a fine of one anna a day until the book is returned and will not be allowed to take out any more books until the fine is paid.

3. At the end of the collegiate year all books must be returned to the Library. Notice for the return of books may be issued by the Secretary on or after the 1st April. If books are not returned within a week of such notice, a fine of one anna a day will be incurred as under 2(d).

4. The Secretary will take stock of the Library during the long vacation, and the Library will then be closed to readers."

RESOLVED—

That the rules be adopted.

Read an application, recommended by Professor Stephen and Messrs. S. K. Chatterjee, and S. K. De, University Lecturers in English, from Krishnakanta Sarma, a student of the 5th-year Post-Graduate Class in English, praying that he may be granted a free-studentship on ground of straitened circumstances, with effect from February last.

RESOLVED—

That the application be granted.

The Secretary recommended that with a view to ensure regularity of work on the part of students, a fine of annas eight may be levied for each absence of a Post-Graduate student from the tutorial classes.

**RESOLVED—**

That the proposal be accepted.

Read an application from Babu Rashbihari Chakrabarti, an Assistant in the Office of the Secretary attached to the University Library, who has been suffering from pneumonia and its after-effects, praying that he may be granted a further extension of leave for 3 months without pay with effect from the 6th March, 1919.

**RESOLVED—**

That the application be granted.

Read a revised estimate received from the Manager, Baptist Mission Press, for printing an edition of 500 copies of "Selections from the Zend-Avesta" by Dr. Taraporewala.

**RESOLVED—**

That the revised estimate be accepted.

The Secretary submitted an estimate of Rs. 359 for printing an edition of 500 copies of a summary of lectures delivered by Babu Hemchandra Raychaudhuri, University Lecturer in Ancient Indian History, reviewing the materials for the reconstruction of the Early History of the Vaisnav Sect.

**RESOLVED—**

That the summary be printed for the use of Post-Graduate students.

The Secretary submitted an estimate of the cost of binding 500 copies of "Philosophical Currents" Vol. II translated by Mr. S. K. Maitra at the rate of Rs. 34 per hundred copies from Messrs. Assalat Khan & Sons.

**RESOLVED—**

That the quotation be accepted.

The Secretary submitted an estimate of Rs. 361-8-0 for printing in the University Press and for the use of Post-Graduate students an edition of 500 copies of "Adwaita-vad", a course of lectures delivered by Pandit Kokileswar Sastri, M.A., University Lecturer.

**RESOLVED—**

That the lectures be published in an edition of 500 copies.

The Secretary submitted an estimate of Rs. 221 for sanction of the Executive Committee on account of hot weather uniforms to be supplied to the menials of his Department.

**RESOLVED—**

That the estimate be approved.

Read an application from Babu Pulinbihari Ray, an assistant in the office of the Secretary, praying that as he has still been suffering from the effect of heart trouble, he may be granted a further extension of leave up to the 17th April, 1919 without pay, with effect from the 24th March, 1919.

RESOLVED—

That the application be granted.

The Secretary requested that the term of appointment of Babu Krishnabihari Raychandhuri, M.A., who was appointed a temporary Assistant in his office during the absence of Babu Pulinbihari Ray, may be extended with effect from the 24th March, 1919.

RESOLVED—

That the term be extended till the 17th April, 1919.

The Secretary submitted a bill for Rs. 40 from the Managing Proprietor, Indian Book-binding Co., for binding 500 copies of "Prolegomena to a History of Buddhist Philosophy" by Dr. Benimadhab Barua.

RESOLVED—

That the bill be passed.

The Secretary submitted a bill for Rs. 200 from Babu Anandachandra Ray for two very rare and valuable manuscripts, *viz.*, Chandika Mangal and Harilila by Jaynarayan Sen, supplied to the Library of the Post-Graduate Department. (Executive Committee, dated the 24th February, 1919).

RESOLVED—

That the bill be passed.

The Secretary submitted a bill for Rs. 175 from Messrs. Assalat Khan & Sons for binding in full cloth 500 copies of Professor Stein's "Philosophical Currents of the Present Day" Vol. I, translated by Mr. S. K. Maitra.

RESOLVED—

That the bill be passed.

RESOLVED FURTHER—

That the Executive Committee recommend that bills for work done or supplies furnished in connection with the Post-Graduate Department be paid, when approved by the Executive Committee.

The Secretary submitted two bills for Rs. 6 and Rs. 10-8-0 respectively from Messrs. Thacker Spink & Co. for books for the Library of the Post-Graduate Department.



**RESOLVED—**

That the bills be passed.

Read a Memo. from the Assistant Registrar, forwarding an extract from the Minutes of the Syndicate, dated the 21st January, 1919 together with copies of applications from Professor R. S. Knox, M.A., now on Military duty, requesting that he may be granted a further extension of leave with effect from July, 1918, till his return to duty on demobilization.

The Secretary stated that Mr. Knox was appointed a University Professor of English for a term of 5 years by a resolution of the Senate, dated the 15th November, 1913; that he joined his appointment on the 7th February, 1914; that he was granted leave on half-pay while he was away on Military duty for one year with effect from 1st June, 1916, by a resolution of the Senate, dated the 8th April, 1916, that the leave so granted was extended for a further period of one year by a resolution of the Senate, dated the 31st August, 1918 and that the term of 5 years for which he was appointed expired on the 7th February, 1919.

**RESOLVED—**

That the Executive Committee recommend to the Syndicate (1) that the Senate be moved to extend the leave granted to Professor Knox up to 6th February, 1919; (2) that Professor R. S. Knox be reappointed University Professor of English for a term of five years with effect from the 7th February, 1919, and that he be granted leave on half pay for six months with effect from that date.

The Secretary reported that Dr. Haridas Bagehi, on the expiry of the leave granted to him by the Executive Committee on the 24th February, 1919, had resumed work on the 15th March, 1919.

The Secretary reported that the term of appointment of Captain Vonck, Instructor in Modern Languages, expired on the 15th March, 1919.

**RESOLVED—**

That Mons. Vonck be reappointed for a term of one year on a salary of Rs. 200 a month as before.

The Secretary reported that the salaries of the University Lecturers for 1917-18 who joined their appointments on any date before the 15th of the month had been paid for the full month whereas those who joined after the aforesaid date were paid for half the month.

**RESOLVED—**

That the action taken be approved.

The Secretary reported the sudden death of Babu Kalidhan Chatterjee, M.A., University Lecturer in Philosophy, and stated that by direction of the President, the Post-Graduate Classes in Arts and the office of the Secretary remained closed on Tuesday, the 18th March, 1919, as a mark of respect to the memory of the deceased.

**RESOLVED—**

(1) That the Executive Committee record their high appreciation of the character and services of the deceased, and that a message of condolence be sent to his family.

(2) That in lieu of the salary due to the deceased a sum of Rs. 100 be forwarded to the Principal, Scottish Churches College, for payment to his father.

Read the following Memorandum by the President :

"Ancient Indian Polity, with special reference to the Arthashastra of Kautilya, forms an important part of the course prescribed in this University for M. A. students in History, in Comparative Politics and in the Social and Constitutional History section of Ancient Indian History and Culture. The topic is regarded by competent scholars as particularly abstruse and recondite. The greatest living authority on the matter is Mr. R. Shama Sastri, B.A., M.R.A.S., (lately Principal, Chamaraajendra Sanskrit College, Bangalore, and now Curator, Government Oriental Library, Mysore) who first deciphered and edited the text and furnished an English version; both were published by the Government of Mysore. Lectures by such a distinguished scholar on the subject of which he has made a life-long study, would obviously be of great advantage to our advanced students. The Government of Mysore have generously consented to spare his services for a short time, and I have arranged with Mr. Shama Sastri to deliver a course of ten lectures on Indian Polity during the Vedic and Buddhistic periods according to the following scheme :—

- (1) Tribal form of Government.
- (2) Elective monarchy.
- (3) The Kshatriyas.
- (4) The Samiti or the Assembly of the People.
- (5) The prerogatives of Kings and of the Priests.
- (6) The influence of Jainism and Buddhism on the political conditions of India.
- (7) The Brahman Politicians of the Kautilya period and their Empire Building Policy.

- (8) Espionage.
- (9) The origin of Theocratic Despotism.
- (10) Condition of the People, Education, Agriculture, Industry and Trade.

Mr. Shama Sastri has also agreed to take during his stay in Calcutta, regular classes on the text of the Arthashastra and a number of University Teachers and students have expressed a desire to attend these classes.

I propose accordingly that the Executive Committee should recommend to the Syndicate that the Senate be moved to appoint Mr. R. Shama Sastri, a University Reader under Chap. X of the University Regulations and that the honorarium for his course of lectures be fixed at Rs. 2,000. In view of the fact that he will in addition take regular classes which will prolong his stay in Calcutta, he should, I think, be paid the usual travelling allowances and a subsistence allowance of Rs. 400.

*The 19th March, 1919.*

ASUTOSH MOOKERJEE."

RESOLVED—

That the Executive Committee recommend to the Syndicate

(1) That the Senate be moved to appoint (subject to the sanction of the Government of India under Section 8 of Chapter X of the Regulations) Mr. R. Shama Sastri, B.A., M.R.A.S., lately Principal, Chamarajendra Sanskrit College, Bangalore, now Curator, Government Oriental Library, Mysore, as a University Reader to deliver a course of ten lectures on "Indian Polity during the Vedic and Buddhistic Periods" according to the following scheme :—

- (1) Tribal form of Government.
- (2) Elective monarchy.
- (3) The Kshatriyas.
- (4) The Samiti or the Assembly of the People.
- (5) The prerogatives of Kings and of the Priests.
- (6) The influence of Jainism and Buddhism on the political conditions of India.
- (7) The Brahman Politicians of the Kautilya period and their Empire Building Policy.
- (8) Espionage.
- (9) The origin of Theocratic Despotism.

(10) Condition of the People, Education, Agriculture, Industry and Trade.

(2) That the honorarium for the course of lectures be fixed at Rs. 2,000 under Chapter X, Sec. 5, and that in view of the fact that Mr. Sastri will, in addition, take regular classes during his stay in Calcutta, he be paid the usual travelling allowances and a subsistence allowance of Rs. 400.

Read a letter from Dr. N. N. Sengupta, lecturer-in-charge of the Experimental Psychology Department reporting that in accordance with the resolution of the Syndicate, dated the 21st February, 1919, he had appointed two student assistants, namely, Babu Manaranjan Ghosh and Babu Narendranath Dasgupta, students of the 6th and 5th-year classes in Experimental Psychology on Rs. 20 each per month with effect the 1st March, 1919 and a clerk, Babu Tarapada Bhattacharyya, on Rs. 25 per month with effect from the 14th March, 1919.

RESOLVED—

That the appointments be approved.

Read an endorsement from the Principal A. B. Johnston, M.A. of St. Paul's College, Calcutta, forwarding with his recommendations an application from Babu Pashupati Banerjee, a student of the 5th-year class in English, praying that he may be granted a free-studentship with effect from March, 1919 on ground of straitened circumstances, in the place of another free student, Sailendranath Banerjee, who has withdrawn his name.

RESOLVED—

That the application be granted.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1918-19.

**No. 20.**

THE 10TH APRIL, 1919.

## **Present:**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.-  
*President, in the Chair.*

Rev. G. Howells, M.A., Ph.D., B.Litt., B.D.	Professor Brajendranath Seal, M.A., Ph.D.
Rai A. C. Bose, Bahadur, M.A.	Rev. Dr. W. S. Urquhart, M.A., D.Phil.
Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.	Professor D. R. Bhandarkar, M.A.
Dr. I. J. S. Taraporewala, B.A., Ph.D.	Mr. Bipinbihari Sen, M.A.
The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.	Mr. J. C. Coyajee, B.A.
	Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following Proceedings of the Board of Higher  
Studies in English, dated the 7th April, 1919 :—

## **“ RESOLVED—**

(1) That the following gentlemen be appointed Post-  
Graduate Teachers in *English* for the session 1919-20 :

- Babu Jaygopal Banerjee, M.A.
- „ Srikumar Banerjee, M.A.
- „ Mohinimohan Bhattacharyya, M.A.
- „ Nalinimohan Chatterjee, M.A.
- „ Sunitikumar Chatterjee, M.A.
- „ Rabindramohan Datta, M.A.
- „ Susilkumar De, M.A.
- Mr. M. Ghosh, M.A.
- Babu Praphullachandra Ghosh, M.A.
- „ Rajanikanta Guha, M.A.

Mr. J. W. Holme, M.A.  
 Rev. A. B. Johnston, M.A.  
 Prof. R. S. Knox, M.A.  
 Babu Herambachandra Maitra, M.A.  
 „ Bijaygopal Mookerjee, M.A.  
 Dr. Harendracoomar Mookerjee, M.A., Ph.D.  
 Rev. J. C. Scrimgeour, M.A.  
 Babu Sailewar Sen, M.A.  
 Prof. H. Stephen, M.A., D.D.

(2) That the undermentioned gentlemen be appointed Tutors for the session 1919-20 on a remuneration of Rs. 200 a month each :—

Babu Kumudbandhu Ray, M.A. (Gold Medalist, 1917.)  
 „ Jyotishchandra Ghosh, M.A. (Silver Medalist, 1917.)

(3) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly Salary. Rs.
Babu Jaygopal Banerjee, M.A. ...	500
„ Mohinimohan Bhattacharyya, M.A. ...	200
Babu Nalinimohan Chatterjee, M.A. ...	200
„ Sunitikumar Chatterjee, M.A. ..	300
„ Rabindramohan Datta, M.A. ...	200
„ Susilkumar De, M.A. ...	225
„ Herambachandra Maitra, M.A. ...	250
Prof. R. S. Knox, M.A. ...	750
Babu Saileswar Sen, M.A. ...	400
Prof. H. Stephen, M.A., D.D. ...	750

(4) That the remuneration of the undermentioned gentlemen be fixed at Rs. 100 a month each, subject to the sanction of the authorities of their respective colleges :

#### PRESIDENCY COLLEGE.

Mr. M. Ghosh, M.A.  
 Babu Srikumar Banerjee, M.A.  
 „ Praphullachandra Ghosh, M.A.  
 Mr. J. W. Holme, M.A.

#### BETHUNE COLLEGE.

Babu Bijaygopal Mookerjee, M.A.

#### CITY COLLEGE.

Babu Rajanikanta Guha, M.A.

## ST. PAUL'S C.M.S. COLLEGE.

Rev. A. B. Johnston, M.A.

## SCOTTISH CHURCHES COLLEGE.

Rev. J. C. Scrimgeour, M.A.

## RESOLVED FURTHER—

That the following distribution of work among the members of the staff for the session 1919-20 be approved :—

## 5TH YEAR CLASS.

## PAPER I.

Mr. S. K. De. (Pre Eliz.)

Mr A. B. Johnston 1625-1780.

## PAPER II.

Dr. H. C. Mookerjee (Calderon, after finishing Milton).

Mr. J. W. Holme (King Lear).

## PAPER III.

Mr. M. Ghosh (Swinburne).

Dr. H. C. Mookerjee (Paradise Regained).

## PAPER IV.

Mr. H. C. Maitra (Arnold).

„ R. Guha (Plato).

## GROUP A.

## PAPER V.

Mr. S. K. Chatterjee  
(History of Eng. Lang).

„ P. C. Ghosh (Chaucer).

## PAPER VI.

Mr. H. C. Maitra

„ J. G. Banerjee

„ R. Datta.

## PAPER VII.

Dr. H. Stephen.

Mr. S. Sen.

## GROUP B.

## PAPER V.

Mr. S. K. Chatterjee.

## PAPER VI.

Mr. N. Chatterjee.

## PAPER VII.

Mr. N. Chatterjee.

## SIXTH-YEAR CLASS.

## PAPER I.

Mr. B. G. Mookerjee (Pre Eliz. and Post Eliz).

„ S. K. De (Pre Eliz).

## PAPER II.

Rev. J. C. Serimgeour (Coriolanus).

Mr. J. W. Holme (Philaster).

## PAPER III.

Mr. M. Ghosh (Swinburne).

„ J. W. Holme (Spenser, after finishing Philaster).

Dr. H. C. Mookerjee (Paradise Regained).

## PAPER IV.

Mr. H. C. Maitra (Arnold).

„ R. Guha (Milton).

„ M. Bhattacharyya (Bacon).

## GROUP A.

## PAPER V.

Mr. P. C. Ghosh (Chaucer).

„ S. K. Chatterjee (History  
of Eng. Lang.)

## PAPER VI.

Mr. H. C. Maitra

„ J. G. Banerjee

„ S. K. Banerjee.

## PAPER VII.

Dr. H. Stephen.

Mr. S. Sen.

## GROUP B.

## PAPER V.

Mr. S. K. Chatterjee.

## PAPER VI.

Mr. N. Chatterjee.

## PAPER VII.

Mr. N. Chatterjee.

## TUTORIAL WORK.

The total number of students will be divided into 30 batches. Four of these batches, *viz.*, two in the 5th-year Class and two in the 6th-year Class, will be composed of students attached to the Presidency College. To each member of the staff will be assigned one or more of these batches according to the following plan :—

Name.		No. of batches.
Mr. J. G. Banerjee	..	One.
„ N. Chatterjee	...	Three.
„ S. K. Chatterjee	...	One.
„ S. K. De	...	Two.
„ M. Ghosh	...	Two (Presidency College).
„ J. W. Holme	...	Two (Ditto).
„ S. Sen	..	Two.
Dr. H. Stephen	...	One.
Mr. R. Datta	...	Four.
„ M. Bhattacharyya	...	Four.
„ K. B. Ray	...	Four.
„ J. C. Ghosh	...	Four.



**RESOLVED ALSO—**

That the present time-table for the Sixth-year Class be continued after the Summer Vacation, till it is altered by the Board.

**RESOLVED FURTHER—**

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science)."

**RESOLVED—**

That the Proceedings be confirmed

Read the following Proceedings of the Board of Higher Studies in Sanskrit, dated the 7th April, 1919 :—

**RESOLVED—**

(1) That the following gentlemen be appointed Post-Graduate Teachers in *Sanskrit* for the session 1919-20 :—

Babu Dhireschandra Acharyya, M.A.

„ Muralidhar Banerjee, M.A.

„ Radhagobinda Basak, M.A.

Prof. D. R. Bhandarkar, M.A.

Babu Kokileswar Bhattacharyya, M.A.

„ Pasupatinath Bhattacharyya, M.A.

„ Niranjanprasad Chakrabarti, M.A.

„ Prabhatchandra Chakrabarti, M.A.

„ Bidhubhushan Goswami, M.A.

Babu Surendranath Majumdar, M.A.

„ Debendranath Ray, M.A.

Pandit Sakalnarayan Sarma.

Vedantabisarad N. S. Anantakrishna Sastri.

Babu Asutosh Sastri, M.A.

Mahamahopadhyay Laksman Sastri.

Rai Rajendrachandra Sastri, Bahadur, M.A.

Pandit Sitaram Sastri.

„ Haragobinda Set.

Prof. I. J. S. Taraporewala, B.A., Ph.D.

Mahamahopadhyay Pramathanath Tarkabhushan.

Pandit Krishnacharan Tarkalankar.

„ Rajendranath Vidyabhushan.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan,  
M.A., Ph.D.

(2). That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly Salary.
Babu Dhireschandra Acharyya, M.A.	... 200
Prof. D. R. Bhandarkar, M.A.	... 100
Babu Kokileswar Bhattacharyya, M.A.	... 100
„ Pasupatinath Bhattacharyya, M.A.	... 250
„ Niranjanprasad Chakrabarti, M.A.	... 200
„ Prabhatchandra Chakrabarti, M.A.	... 200
„ Bidhubhushan Goswami, M.A.	... 100
Vedantabisarad N. S. Anantakrishna Sastri	... 170
Rai Rajendrachandra Sastri, Bahadur, M.A.	... 100
Pandit Sitaram Sastri	... 200
„ Haragobinda Set	... 120
„ Krishnacharan Tarkalankar	... 75

(3) That the remuneration of the undermentioned gentlemen be fixed at the sum of Rs. 50 a month each, subject to the sanction of the authorities of their respective colleges :—

#### SANSKRIT COLLEGE.

Babu Muralidhar Banerjee, M.A.  
 Pandit Sakalnarayan Sarma.  
 Mahamahopadhyay Pramathanath Tarkabhushan.  
 „ Laksman Sastri.  
 Pandit Rajendranath Vidyabhushan.  
 Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A.,  
 Ph.D.

#### PRESIDENCY COLLEGE.

Babu Asutosh Sastri, M.A.

#### BETHUNE COLLEGE.

Babu Debendranath Ray, M.A.

#### RESOLVED—

That the following distribution of work among the members of the staff for the session 1919-20 be approved :—

#### 5th and 6th-year Classes.

##### *Compulsory Papers.*

##### PAPER I.

Pandit Sitaram Sastri.  
 „ Pasupati Sastri.

## PAPER II.

Pandit Sakalnarayan Sarma.  
 „ Prabhatchandra Chakrabarti.

## PAPER III.

Prof. Taraporewala.  
 Pandit Prabhatchandra Chakrabarti.

## PAPER IV.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.  
 Pandit Muralidhar Banerjee

## GROUP A.

## PAPER V.

Pandit Asutosh Sastri.  
 „ Bidhubhushan Goswami.

## PAPER VI.

Pandit Rajendranath Vidyabhushan.  
 „ Bidhubhushan Goswami.

## PAPER VII.

Pandit Asutosh Sastri.  
 Babu Debendranath Ray.

## PAPER VIII.

Mahamahopadhyay Pramathanath Tarkabhushan.  
 Rai Rajendranath Sastri, Bahadur.  
 Pandit Rajendranath Vidyabhushan.

## GROUP B.

## PAPER V.

Pandit Sitaram Sastri.  
 „ Prabhatchandra Chakrabarti.

## PAPER VI.

Pandit Sitaram Sastri.  
 „ Pasupati Sastri.

## PAPER VII.

Pandit Kokileswar Bhattacharyya.

## PAPER VIII.

Pandit Krishnacharan Tarkalankar.

## GROUP C.

## PAPER V.

Pandit Anantakrishna Sastri.  
 „ Pasupati Sastri.

## PAPER VI.

Pandit Anantakrishna Sastri.

„ Pasupati Sastri.

## PAPER VII.

Pandit Krishnacharan Tarkalankar.

## PAPER VIII.

Pandit Krishnacharan Tarkalankar.

„ Pasupati Sastri.

## GROUP D.

## PAPER V.

Mahamahopadhyay Laksman Sastri.

Pandit Dhireschandra Acharyya.

## PAPER VI.

Mahamahopadhyay Laksman Sastri.

## PAPER VII.

Pandit Anantakrishna Sastri.

Mahamahopadhyay Pramathanath Tarkabhusan

## PAPER VIII.

Pandit Kokileswar Bhattacharyya.

## GROUP E.

## PAPER V.

Pandit Dhireschandra Acharyya.

„ Debendranath Ray.

## PAPER VI.

Pandit Dhireschandra Acharyya.

„ Debendranath Ray.

## PAPER VII.

Pandit Sitaram Sastri.

## PAPER VIII.

Mahamahopadhyay Laksman Sastri.

## GROUP G.

## PAPER V.

Pandit Dhireschandra Acharyya.

## PAPER VI.

Mahamahopadhyay Laksman Sastri.

## PAPER VII.

Mahamahopadhyay Peanathanath Tarkabhushan.  
 Pandit Kokileswar Bhattacharyya.

## PAPER VIII.

Pandit Anantakrishna Sastri.  
 „ Kokileswar Bhattacharyya.

## GROUP II.

## PAPER V.

Pandit Hargovinda Das Sheth.

## PAPER VI.

Pandit Muralidhar Banerjee.

## PAPER VII.

Pandit Hargovinda Das Sheth.  
 „ Muralidhar Banerjee.

## PAPER VIII.

Pandit Hargovinda Das Sheth.  
 „ Muralidhar Banerjee.

## GROUP I.

## PAPER V.

M. M. Dr. Satischandra Vidyabhushan.  
 Pandit Niranjan Chakrabarti.

## PAPER VI.

Professor D. R. Bhandarkar.  
 Pandit Surendranath Majumdar.  
 „ Radhagovinda Basak.

## PAPER VII.

Pandit Radhagovinda Basak.  
 „ Niranjanprasad Chakrabarti.

## PAPER VIII.

Mahamahopadhyay Dr. Satischandra Vidyabhushan.  
 Pandit Surendranath Majumdar.

## RESOLVED ALSO—

That the present time-table for the Sixth-year Class be continued after the Summer Vacation till it is altered by the Board.

## RESOLVED FURTHER—

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science.)"

## RESOLVED—

That the Proceedings be confirmed.

"Read the following Proceedings of the Board of Higher Studies in Arabic and Persian, dated the 7th April, 1919 :—

## "RESOLVED—

(1) That the following gentlemen be appointed Post-Graduate Teachers in *Persian and Arabic* for the session 1919-20 :—

Maulvi Abu Musa Ahmadul Haq.

Shams-ul-Ulama Vilayet Hossain.

The Hon'ble Dr. Abdulla-al-Mamun Suhrawardy, M.A.,  
Ph.D., Bar-at-Law.

Aga Muhammad Kazim Shirazi.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly Salary.
	Rs.
Maulvi Abu Musa Ahmadul Haq.	... 100
Shams-ul-Ulama Vilayet Hossain	... 100
The Hon'ble Dr. A. Suhrawardy	... 200
Aga Muhammad Kazim Shirazi	.. 100

(3) That the following distribution of work among the members of the staff in Persian and Arabic be approved :—

## PERSIAN.

Aga Muhammad Kazim Shirazi The Diwan of Nasir-i Khusraw.

The Qasaid of Zahir Fur-  
yabi.

Tazkira of Dawlat Shah.

Tazkira of Awfi.

Durra-i-Nadira.

Rhetoric and Prosody.

Philology.

The Hon'ble Dr. A. Suhrawardy... Mahomedan History.

History of Persian Literature.

Mantiq-ut Tair of Attar.

Kimiya-i-Sadat.

Hadiqa-i-Sana'i.

Prose selections in Arabic  
prescribed for the B.A.  
Pass Course.

## ARABIC.

Shams-ul-Ulama Vilayet Hossain Mishkat-ul Masahih, Kashshaf, Futuhul Buldan, Faraid.

Mualvi Abu Musa Ahmadul Haq Kitabul-Aghani, Yntimud-Dahr, Isharat-i-Mufussal.

The Hon'ble Dr. A. Subrawardy Muhammadan History and History of Arabic Litera-

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Comparative Philology, dated the 8th April, 1919.

## RESOLVED—

“(1) That the following gentlemen be appointed Post-Graduate Teachers in *Comparative Philology* for the session 1919-20 :—

Prof. I. J. S. Taraporewala, B.A., Ph. D.

Babu Bijaychandra Majumdar, B.A.

„ Sunitikumar Chatterjee, M.A.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly salary.
	Rs.
Prof. I. J. S. Taraporewala	500
Babu Bijaychandra Majumdar	200
„ Sunitikumar Chatterjee	50

(3) That the following distribution of work among the members of the staff be sanctioned :—

## 5th-year Class.

## PAPER I.

Dr. I. J. S. Taraporewala.

## PAPER II.

Dr. I. J. S. Taraporewala.

Babu Sunitikumar Chatterjee.

## PAPER III.

Dr. I. J. S. Taraporewala.

## PAPER IV.

Dr. I. J. S. Taraporewala.

Babu Bijaychandra Majumdar.

## PAPER V.

Dr. I. J. S. Taraporewala.  
 Babu Sunitikumar Chatterjee.  
 „ Bijaychandra Majumdar.

## PAPER VI.

Babu Bijaychandra Majumdar.  
 „ Sunitikumar Chatterjee.

## PAPER VII.

Group A — Dr. I. J. S. Taraporewala.  
 „ B.—Babu Bijaychandra Majumdar.

**6th-year Class.**

## PAPERS I, II AND III.

Dr. I. J. S. Taraporewala.  
 Babu Sunitikumar Chatterjee.

## PAPERS IV AND V.

Dr. I. J. S. Taraporewala.  
 Babu Bijaychandra Majumdar.  
 „ Sunitikumar Chatterjee.

## PAPERS VI AND VII.

Babu Bijaychandra Majumdar.  
 „ Sunitikumar Chatterjee.

## RESOLVED ALSO—

That the present time-table for the Sixth-year Class be continued after the Summer-vacation till it is altered by the Board.

## RESOLVED FURTHER—

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science)."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Pali, dated the 8th April, 1919.

## RESOLVED—

"(1) That the following gentlemen be appointed Post-Graduate Teachers in *Pali* for the session 1919-20 :—

Prof. D. R. Bhandarkar, M.A.

Babu Surendranath Majumdar, M.A.

Babu Sailendranath Mitra, M.A.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A.,  
 Ph.D.



Dr. Benimadhab Baruya, M.A., D.Litt.

Babu Radhagobinda Basak, M.A.

Babu Nalinaksha Datta, M.A. (Gold Medalist, 1915.)

Mr. R. Kimura.

„ J. Masuda.

Rajaguru Bhagavanchandra Mahasthavir.

Swami Punnananda.

Swami Rambukwelle Siddhartha, Sastravisarad Vinayacharya.

Bhikky Kukulnape Devarakshita.

(2) That Babu Gokuldas De, M.A. (Gold Medalist, 1917) be appointed an Assistant for the session 1919-20 on a remuneration of Rs. 100 a month.

(3) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly salary.
	Rs.
Babu Sailendranath Mitra, M.A	... 200
Dr. Benimadhab Baruya, M.A. D. Litt.	... 350
Babu Nalinaksha Datta, M.A.	... 200
Prof. D. R. Bhandarkar	... 50

That as regards the Bhikkus named below, the allowance mentioned against the name of each be sanctioned :

Names.	Monthly allowance.
	Rs.
Rajaguru Bhagavanchandra Mahastavir	... 150
Swami Punnananda	... 100
Swami Siddhartha	... 100
Bhikku Kukulnape Devarakshita	... 100

(4) That subject to the sanction of the authorities of the Sanskrit College, the salary of Mahamahopadhyay Dr. Satis-chandra Vidyabhushan be fixed at Rs. 200 a month.

(5) That the appointment of Swami Punnananda be made on the understanding that he will continue to associate himself with the work of Pali teaching in the Undergraduate classes without additional honorarium.

RESOLVED—

That the following distribution of work among the members of the staff for the session 1919-20, be approved:—

#### PAPER I.

Babu Sailendranath Mitra.

Samana Punnananda.

## PAPER II.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.  
Rev. Siddhartha.

## PAPER III.

Rev. Siddhartha.  
Mahamahopadhyay Dr. Satishchandra Vidyabhushan.

## PAPER IV.

Dr. Benimadhab Barua.  
Babu Nalinaksha Datta.

## GROUP A.

## PAPER V.

Samana Punnananda.  
Babu Nalinaksha Datta.

## PAPER VI.

Babu Sailendranath Mitra.  
Samana Punnananda.

## PAPER VII.

Prof. D. R. Bhandarkar.  
Babu Radhagobinda Basak.

## GROUP B.

## PAPER V.

Dr. Benimadhab Barua.  
Rajaguru Bhagabanchandra Mahastabir.

## PAPER VI.

Dr. Benimadhab Barua.  
Rev. Debarakshita.

## PAPER VII.

Dr. Benimadhab Barua.  
Samana Punnananda.

## GROUP C.

## PAPER V.

Babu Sailendranath Mitra.  
„ Nalinaksha Datta.  
Rev. Siddhartha.

## PAPER VI.

Prof. D. R. Bhandarkar.  
Babu Radhagobinda Basak.

## PAPER VII.

Babu Radhagobinda Basak.  
Prof. D. R. Bhandarkar.

## PAPER VIII.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.  
Babu Surendranath Majumdar.

## GROUP D.

## PAPER V.

Babu Surendranath Majumdar.  
Mr. J. Masuda.  
Babu Nalinaksha Datta.

## PAPER VI.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.  
Dr. B. Barua.  
Mr. R. Kimura.

## PAPER VII.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.  
Dr. B. Barua.

## PAPER VIII.

Babu Radhagobinda Basak.

## RESOLVED ALSO—

That the present time-table for the Sixth-year Class be continued after the Summer vacation till it is altered by the Board.

## RESOLVED FURTHER—

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science)."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Mental and Moral Philosophy, dated the 8th April, 1919.

## "RESOLVED—

(1) That the following gentlemen be appointed Post-Graduate Teachers in Mental and Moral Philosophy for the session 1919-20 :—

Mr. J. R. Banerjee, M.A.  
Babu Haridas Bhattacharyya, M.A.

- . Babu Kokileswar Bhattacharyya, M.A.
- „ Krishnachandra Bhattacharyya, M.A.
- Mr. P. K. Chakrabarti, M.A.
- Babu Satishchandra Chatterjee, M.A.
- Rev. G. Ewan, M.A.
- Dr. Hiralal Haldar, M.A., Ph.D.
- „ Ramdas Khan, M.A., Ph.D.
- Babu Susilkumar Maitra, M.A.
- „ Ambikacharan Mitra, M.A.
- „ Khagendranath Mitra, M.A.
- Dr. Adityanath Mukerjee, M.A., Ph.D.
- „ Prabhu Dutt Shastri, M.A., B.Sc., Ph.D.
- „ Brajendranath Seal, M.A., Ph.D.
- „ Narendranath Sengupta, M.A., Ph.D.
- „ W. S. Urquhart, M.A., D.Phil.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly Salary.
	Rs.
Babu Haridas Bhattacharyya, M.A.	250
Mr. P. K. Chakrabarti, M.A.	100
Babu Satishchandra Chatterjee, M.A.	200
Dr. Hiralal Haldar, M.A., Ph.D.	500
„ Ramdas Khan, M.A., Ph.D.	500
Babu Susilkumar Maitra, M.A.	300
„ Ambikacharan Mitra, M.A.	500
Dr. Narendranath Sengupta, M.A., Ph.D.	250

(3) That the remuneration of the undermentioned gentlemen be fixed at the sum of Rs. 100 a month each, subject to the sanction of the authorities of their respective Colleges :

#### PRESIDENCY COLLEGE.

- Babu Khagendranath Mitra, M.A.
- Dr. Adityanath Mookerjee, M.A., Ph.D.
- Dr. Prabhu Dutt Shastri, M.A., B.Sc., Ph.D.

#### SCOTTISH CHURCHES COLLEGE.

- Rev. G. Ewan, M.A.
- Dr. W. S. Urquhart, M.A., D. Phil.

#### VIDYASAGAR COLLEGE.

- Mr. J. R. Banerjee, M.A.

#### BETHUNE COLLEGE.

- Babu Krishnachandra Bhattacharyya, M.A.

## MENTAL AND MORAL PHILOSOPHY.

(4) That the following distribution of work among the members of the staff be approved :—

### 5th-year Class.

1 Section of 125 students.

*Lectures : Compulsory Papers :—*

#### PAPER I. (Ancient Philosophy).

Mr. J. R. Banerjee	... Socrates, Plato and Aristotle, 1 hour in the week.
Mr. K. N. Mitter	... History of Ancient Philosophy, 1 hour in the week.

#### PAPER II. (Mediæval and Modern Philosophy).

Mr. S. K. Maitra	... Mediæval Philosophy, 1 hour in the week.
Dr. H. Halder	... Modern Philosophy and Kant (Text):—with Dialectic and Ethics from Kant to Hegel, 3 hours in the week.
Mr. H. D. Bhattacharyya	... Renaissance to Kant and Hume (Text), 1 hour in the week.
Dr. N. Sengupta	... Contemporary Philosophy, 1 hour in the week.

#### PAPER III. (Outlines of Indian Philosophy.)

Dr. P. D. Shastri	... 1 hour in the week.
Mr. S. K. Maitra	... 1 hour in the week.
Mr. S. C. Chatterjee	... 1 hour in the week.

### OPTIONAL.

#### PSYCHOLOGY.

Dr. N. Sengupta	... 1 hour in the week.
Mr. H. D. Bhattacharyya	... 2 hours in the week.

#### ETHICS AND SOCIOLOGY.

Dr. A. N. Mukherjee	... Ethics, 2 hours in the week.
Dr. R. Khan	... Sociology, 2 hours in the week.

### LOGIC.

#### LOGIC (as Methodology) (Group A).

Mr. A. C. Mitter	... 2 hours in the week.
Mr. P. K. Chakravarti	... 1 hour in the week.

**LOGIC (Dialectic) (Group B).**

Dr. B. N. Seal ...	... 1 hour in the week.
Dr. H. Haldar ...	... 1 hour in the week.
Mr. K. Bhattacharyya ...	... 1 hour in the week.

**PHILOSOPHY OF RELIGION.**

Dr. W. S. Urquhart ...	... 1 hour in the week.
Mr. G. Ewan ...	... 1 hour in the week.
Mr. S. C. Chatterjee ...	... 1 hour in the week.

**INDIAN PHILOSOPHY (Special Branch)—Sankhya-Vedānta Group.**

Dr. B. N. Seal...	... 2 hours in the week.
Dr. P. D. Shastri ...	... 1 hour in the week (jointly with the 6th-year Class).
Mr. S. K. Maitra ...	... 1 hour in the week.
Babu Kokileswar Bhattacharyya.	1 hour in the week.

**SEMINAR AND TUTORIAL WORK.**

To be arranged, after the classes are formed, on the plan adopted last year.

**6th-year Class :****1 Section of 125 students.***Lectures. Compulsory Papers.***PAPER I (Ancient Philosophy).**

Mr. J. R. Banerjee ...	... 1 hour in the week.
Mr. K. N. Mitter ...	... 1 hour in the week.

**PAPER II (Mediæval and Modern Philosophy).**

Mr. S. K. Maitra—Mediæval Philosophy.	1 hour in the week.
Mr. H. D. Bhattacharyya ...	Renaissance to Kant and Hume (Text) 1 hour in the week.
Dr. H. Haldar (Modern Philosophy from Kant downwards, Dialectic and Ethics from Kant to Hegel).	3 hours in the week.
Dr. P. D. Shastri (Contemporary Philosophy.)	1 hour in the week.

**PAPER III (Outlines of Indian Philosophy).**

Dr. P. D. Shastri ...	... 1-hour in the week.
Mr. S. K. Maitra ...	... 1 hour in the week.
Mr. S. C. Chatterjee ...	... 1 hour in the week.

## OPTIONAL.

## PSYCHOLOGY.

Dr. N. Sengupta	..	1 hour in the week.
Mr. H. Bhattacharyya	...	2 hours in the week.

## ETHICS AND SOCIOLOGY.

Dr. A. N. Mukherjee (Ethics)	1 hour in the week.
Dr. R. Khan (Sociology)	... 2 hours in the week.
Mr. A. C. Mitra	... 1 hour in the week.

## LOGIC.

## Logic (as Methodology) (Group A).

Mr. A. C. Mitra	2 hours in the week.
Mr. K. C. Bhattacharyya	1 hour in the week.
Mr. P. K. Chakravarti	1 hour in the week.

## Logic (Dialectic) (Group B).

Dr. B. N. Seal	..	1 hour in the week.
Dr. H. Halder	..	1 hour in the week.
Mr. K. Bhattacharyya	..	1 hour in the week.

## PHILOSOPHY OF RELIGION.

Dr. W. S. Urquhart	... 1 hour in the week.
Mr. G. Ewan	... 1 hour in the week.
Mr. S. C. Chatterjee	... 1 hour in the week.

## INDIAN PHILOSOPHY (Special Branch—Sankhya-Vedanta).

Dr. B. N. Seal	... 2 hours in the week.
Dr. P. D. Shastri	1 hour in the week (jointly with the 5th-year Class).
Mr. S. K. Maitra	... 1 hour in the week.
Babu Kokileswar Bhattacharyya.	1 hour in the week.

## SEMINAR AND TUTORIAL WORK.

Seminar work	... As arranged last year.
Tutorial work	... To be arranged after classes have been formed.

## RESOLVED ALSO—

That the present time-table for the Sixth-year Class be continued after the Summer Vacation till it is altered by the Board.

## RESOLVED FURTHER—

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science)."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Experimental Psychology, dated the 8th April, 1919.

## RESOLVED—

(1) That the following gentlemen be appointed Post-Graduate Teachers in *Experimental Psychology* for the session 1919-20 :—

Babu Manmathanath Banerjee, M.Sc.  
 „ Haridas Bhattacharyya, M.A.  
 Mr. B. C. Ghose, M.A., M.B.  
 „ Khagendranath Mitra, B.A.  
 Dr. Brajendranath Seal, M.A., Ph.D.  
 „ Narendranath Sengupta, M.A., Ph.D.  
 Babu Girindrasekhar Bose, M.Sc., M.B.  
 „ Haripada Maiti, M.A.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly salary.
	Rs.
Babu Manmathanath Banerjee, M.Sc.	200
„ Haridas Bhattacharyya, M.A.	50
Mr. Khagendranath Mitra, B.A.	200
Dr. Narendranath Sengupta, M.A., Ph.D.	300
Babu Haripada Maiti, M.A.	200
„ Girindrasekhar Bose	250

(3) That, subject to the sanction of the authorities of the Vidyasagar College, the remuneration of Mr. B. C. Ghosh be fixed at Rs. 100 a month.

(4) That the following distribution of work among the members of the staff be approved :—

## Theoretical.

## PAPER I—Physiological Psychology.

(a) General Psychology (with elements of the Psychology of Peoples and Races).	}	Dr. N. Sengupta.
(b) Physiological Psychology with Physiology of the Nervous System.		Mr. B. C. Ghose.
(c) Physiological Psychology.	}	Mr. H. P. Maiti.
		Mr. M. Banerjee.



PAPER II—Mental Pathology.

(including study of Mental Deficiency and Criminology).

- |  |   |                  |
|--|---|------------------|
| (a) Mental Pathology<br>with special reference to<br>Physical Basis.           | } | Mr. B. C. Ghose. |
| (b) Mental Pathology<br>with special reference to<br>Psychoanalytical methods. |   |                  |

PAPER III—Animal Psychology.

(including Mental Evolution).

- |   |   |               |
|---|---|---------------|
| (a) Animal Psychology ...   | } | Mr. K. Mitra. |
| (b) Heredity and General<br>Biological Basis (with Men-<br>tal Evolution in Animals). |   |               |
|   |   |               |

PAPER IV—Child Psychology.

(a) Child Psychology ... Mr. H. Maiti.

(b) Education Psychology ... Mr. H. Bhattacharyya.

RESOLVED ALSO—

That the present time-table for the Sixth-year Class be continued after the Summer Vacation, till it is altered by the Board.

RESOLVED FURTHER—

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science)."

RESOLVED—

That the Proceedings be confirmed.

"Read the following Proceedings of the Board of Higher Studies in Pure Mathematics, dated the 9th April, 1919.

RESOLVED—

(1) That the following gentlemen be appointed Post-Graduate Teachers in *Pure Mathematics* for the session 1919-20 :—

Dr. Haridas Bagchi, M.A., Ph.D.

Babu Hariprasanna Banerjee, M.Sc.

„ Satischandra Basu, M.A.

„ Indubhushan Brahmachari, M.A.

Dr. C. E. Cullis, M.A., Ph.D.

Babu Sasindrachandra Dhar, M.Sc.

„ Surendramohan Ganguli, M.Sc.

„ Satischandra Ghose, M.A.

Babu Manoranjan Gupta, M.A.

„ Narendrakumar Majumdar, M.A.

Dr. Syamadas Mukherjee, M.A., Ph.D.

(2) That Babu Mohitmohan Ghosh, M.Sc., be appointed tutor for the session 1919-20 on a remuneration of Rs. 150 a month.

(3) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

	Rs.
Dr. Haridas Bagchi, M.A., Ph.D. ...	300
Babu Hariprasanna Banerjee, M.Sc. ...	250
„ Indubhushan Brahmachari, M.A. ...	300
„ Sasindrachandra Dhar, M.Sc. ...	200
„ Surendramohan Ganguli, M.Sc. ...	250
„ Satischandra Ghose, M.A. ...	250
„ Manoranjan Gupta, M.A. ...	225
„ Narendrakumar Majumdar, M.A. ...	250
Dr. Syamadas Mukerjee, M.A., Ph.D. ...	500

(4) That, subject to the sanction of the authorities of the Vidyasagar College, an honorarium of Rs. 100 a month be offered to Babu Satischandra Basu, M.A.

#### RESOLVED—

That the following distribution of work be sanctioned :—

The Fifth-year Class will be divided into two sections—section A, consisting of those students who appeared at the B.A. or B.Sc. Honours Examination in Mathematics, and Section B, of other students. In addition to the subjects of Section A, Section B will have preliminary lectures in the following subjects :

Algebra.  
Theory of Equations.  
Solid Geometry.

The two sections will be taken separately ; this arrangement will be in force for at least half the session.

#### 5TH-YEAR CLASS.

B.	A.
Mr. S. Ghosh—Dif. Cal. (3) ...	Dif. Cal. (3)
„ N. Ghosh—Conics (2) ...	Conics (2)
„ Sph. Trigonometry (2) ...	Sph. Trigonometry (2)
„ Majumdar—Dif. Eq. (3) ...	Dif. Eq. (2)
„ Banerjee—Solid Geometry (2)*	
„ Brahmachari—Theory of Eq. (2)*	
„ Dhar—Algebra (1)*	—

\* The subjects at this stage will be taken up to the B.A. and B.Sc. Honours standard.

## 6TH-YEAR CLASS.

Mr. Dhar—Algebra & Trigonometry (2)	
„ Brahmachari—Algebra of Quantities (3)	
„ Ganguli—II. P. Curves (2)	
Dr. Bagchi—Dif. Geometry (2)	
Mr. Gupta—Int. Calculus (2)	
„ Majumdar—Dif. Equations (2)	
„ Banerjee—Cal. of Variations (2)	
Real Functions	.. Dr. Mukerjee (2) ... Mr. Gupta (2)
Complex Functions	Mr. Ganguli (2) „ Banerjee (2)
Proj. Geometry	Mr. Brahmachari (2) „ Bose (2)
Non-Euc. Geometry	Dr. Mukherjee (2) .. „ Ganguli (2)
Groups	„ Mukherjee (2) ... „ Majumdar (1)
Fin. Difference	Mr. Majumdar (1)... „ Dhar (2)
Quaternions	Dr. Bagchi (2) ... „ S. Ghosh (2)
Numbers	Mr. Banerjee (2) .. „ Gupta (2)
Tutorial Work	The students will be divided into batches. Each lecturer will take one batch from each class, and will have two hours of tutorial work weekly

## RESOLVED—

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science)."

## RESOLVED—

That the Proceedings be confirmed.

"Read the Proceedings of the Board of Higher Studies in Economics, dated the 9th April, 1919.

## RESOLVED—

(1) That the following gentlemen be appointed Post-Graduate Teachers in *Economics* for the session 1919-20 :—

Dr. Pramathanath Banerjee, M.A., D.Sc.

Babu Pramathanath Banerjee, M.A.

„ Satishchandra Chakrabarti, M.A.

Mr. Nirmalechandra Chatterjee, M.A.

Babu Durgagati Chatteraj, M.A.

„ Rohinimohan Chaudhuri, M.A.

Mr. J. C. Coyajee, B.A., LL.B.

Babu Praphullachandra Ghosh, M.A., B.Sc.

Mr. J. C. Kydd, M.A.

Babu Panchanandas Mookerjee, M.A.

„ Radhakamal Mookerjee, M.A.

„ Jitendraprasad Niyogi, M.A.

„ Satishchandra Ray, M.A.

„ Krishnabinod Saha, M.A.

Mr. Bijaykumar Sarkar, A.B.

- . Babu Bipinbihari Sen, M.A.
- Mr. A. C. Sengupta, M.A.
- Babu Jogischandra Sinha, M.A.
- Mr. Surendramohan Sanyal, M.A.

(2) That Mr. Ramchandra Raubasavarsu, M.A. (Gold Medalist, 1917) do continue to be an Assistant on a remuneration of Rs. 200 a month.

(3) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Names.	Monthly salary.
	Rs.
Dr. Pramathanath Banerjee, M.A., D.Sc.	... 450
Babu Satischandra Chakrabarti, M.A.	.. 275
„ Durgagati Chattoraj, M.A.	.. 225
„ Rohinimohan Chaudhuri, M.A.	... 200
„ Praphullachandra Ghosh, M.A., B.Sc.	.. 200
Babu Radhakamal Mookerjee, M.A.	.. 250
„ Jitendraprasad Niyogi, M.A.	... 225
„ Satischandra Ray, M.A.	... 600
Mr. Bijaykumar Sarkar, A.B.	... 300
Babu Jogischandra Sinha, M.A.	.. 225
„ Krishnabinod Saha, M.A.	... 200
Mr. Surendramohan Sanyal, M.A., M.Sc.	... 200

(4) That subject to the sanction of the authorities of their respective Colleges, an honorarium of Rs. 100 a month be offered to each of the following gentlemen :—

#### PRESIDENCY COLLEGE.

- Mr. J. C. Coyajee, M.A.
- Babu Panchanandas Mookerjee, M.A.
- Mr. A. C. Sengupta, M.A.

#### SCOTTISH CHURCHES COLLEGE.

- Mr. J. C. Kydd, M.A.

#### RESOLVED FURTHER—

That the following distribution of work among the members of the staff be approved :—

Fifth-year Class—1 section—maximum 100.

Sixth-year Class—1 section—maximum 100.

#### Fifth-year Class.

##### PAPER I-II.

(General Economics.)

- Mr. J. C. Coyajee.
- Mr. R. M. Chaudhuri.

## PAPER III.

*(Principles of Political Philosophy.)*

Dr. P. N. Banerjee.

Mr. D. G. Chattoraj.

## PAPER V.

*(Public Administration.)*

Mr. S. C. Ray.

„ J. P. Niyogi.

Dr. P. N. Banerjee.

**Sixth-year Class.**

## GROUP A.

## PAPER V.

*(History of Economics.)*

Mr. A. C. Sengupta.

„ J. C. Sinha.

## PAPERS VI-VII.

*(i) Banking and Currency.*

Mr. J. C. Kail.

„ B. K. Sarkar.

*(ii) International Trade.*

Mr. J. C. Coynjee.

„ K. B. Saha.

*(iii) Statistics and Demography.*

Mr. S. M. Sauyal.

*(iv) Mathematical Economics.*

Mr. P. C. Ghosh.

„ S. M. Sanyal.

## GROUP B.

## PAPER V.

*(History of Political Philosophy).*

Dr. P. N. Banerjee (Ancient).

Mr. P. D. Mukherjee (Modern and Mediæval).

## PAPERS VI-VII.

*(i) Comparative Politics.*

Mr. B. B. Sen (Ancient).

„ P. N. Banerjee (Modern).

„ Nirmalchandra Chatterjee.

(ii) *Sociology.*

Mr. R. K. Mukherjee.

,, S. C. Chakrabarti.

(iii) *International Law.*

Mr. S. C. Chakrabarti.

,, P. D. Mookerjee.

## PAPER VIII.

*Essay.*

- |                             |                          |
|-----------------------------|--------------------------|
| (a) Famines                 | ... Dr. P. N. Banerjee.  |
| (b) Co-operation            | ... Mr. P. D. Mukherjee. |
| (c) Railways                | ... Mr. S. C. Ray.       |
| (d) Industrial Organisation | ... Mr. R. M. Chaudhuri. |
| (e) Currency Problems       | ... Mr. Ramchandra Rao.  |
| (f) Land Systems            | Mr. S. C. Ray.           |

The total number of students in the 5th-year and 6th-year Classes is not likely to exceed 120. These will be divided into 12 batches of 10 each. To each member of the staff will be assigned one of these batches according to the following plan, so that each such batch will be in charge of a particular teacher throughout the year, ~~as~~ far as practicable, (A) group students may be taken by 1-8, and (B) group students by 9-12:—

- |                         |                               |
|-------------------------|-------------------------------|
| (1) Mr. R. M. Chaudhuri | (7) Mr. R. C. Ran.            |
| (2) Mr. P. C. Ghosh     | ... (8) Mr. S. M. Sanyal.     |
| (3) Mr. J. P. Niyogi    | (9) Dr. P. N. Banerjee.       |
| (4) Mr. K. B. Saha      | (10) Mr. S. C. Chakravarti.   |
| (5) Mr. B. K. Sarkar    | ... (11) Mr. D. G. Chattoraj. |
| (6) Mr. J. C. Sinha     | ... (12) Mr. R. K. Mukerjee.  |

Each student will be expected to write on an average one short essay in two weeks on a prescribed subject, after he had an opportunity to study it in accordance with a course of reading indicated by his teacher. These will be corrected at home by the teacher, who will then meet the students in small groups, to question them on points which arise on the exercises and on cognate topics. A long list of subjects for essays with brief hints for reading, will be drawn up in the beginning of the session by all the members of the staff in consultation with each other.

**RESOLVED—**

That the present time-table for the Sixth-year Class be continued after the Summer Vacation till it is altered by the Board.

**RESOLVED FURTHER—**

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science)."

**RESOLVED—**

That the Proceedings be confirmed.

"Read the Proceeding, of the Board of Higher Studies in History, dated the 9th April, 1919.

**RESOLVED—**

(1) That the following gentlemen be appointed Post-Graduate Teachers in *History* for the session 1919-20 :—  
*Ordinary Course.*

(Except Ancient Indian History.)

Babu Gauranganath Banerjee, M.A.

„ Pramathanath Banerjee, M.A.

Mr. J. N. Dasgupta, B.A.

„ A. C. Datta, M.A.

„ S. Khuda Buksh, M.A., B.C.L.

„ Bijaykumar Sarkar, A.B.

Babu Bipinbihari Sen, M.A.

„ Surendranath Sen, M.A.

The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.

Mr. K. Zachariah, B.A.

Babu Indubhushan Banerjee, M.A.

„ Nirmalchandra Chatterjee, M.A.

„ Jogischandra Sinha, M.A.

Mr. Y. J. Taraporewala, B.A. (Cantab.), M.A. (Bombay).

*Ancient Indian History and Culture (including Special Course).*

Babu Dhireschandra Acharyya, M.A.

Dr. Benimadhab Barna, M.A., D.Litt.

Prof. D. R. Bhandarkar, M.A.

Babu Phanindralal Ganguli, M.A.

Dr. Rameschandra Majumdar, M.A., Ph.D.

Babu Surendranath Majumdar, M.A.

„ Panchanan Mitra, M.A.

„ Hemchandra Raychaudhuri, M.A.

Mr. Arun Sen, B.A.

Babu Narayanchandra Banerjee, M.A.

„ Haranchandra Chakladar, M.A.

„ Radhagobinda Basak, M.A.

„ Prabodhchandra Sengupta, M.A., B.T.

„ Narendrakumar Majumdar, M.A.

Pandit Babuya Misra, Jyotishacharya.

Mr. J. Masuda.

„ R. Kimura.

(2) That the remuneration of the under-mentioned gentlemen be fixed at the sum mentioned against the name of each :—

Nams.	Monthly salary.
Babu Gauranganath Banerjee, M.A.	Rs. 250
„ Pramatlanath Banerjee, M.A.	„ 200
Mr. A. C. Datta, M.A.	„ 250
Babu Phanindialal Ganguli, M.A.	„ 100
Mr. S. Khuda Buksh, M.A., B.C.I.	„ 200
Dr. Rameschandra Majumdar, M.A., Pl.D.	„ 400
Babu Surendranath Majumdar, M.A.	„ 400*
„ Hemchandra Raychaudhuri, M.A.	„ 225
„ Bipinbihari Sen, M.A.	„ 500
„ Surendranath Sen, M.A.	„ 200
The Hon'ble Dr. A. Subrawardy, M.A., Ph D.	„ 300
Mr. Arun Sen, B.A.	„ 250
Babu Narayanachandra Banerjee, M.A.	„ 200
„ Indubhushan Banerjee, M.A.	„ 200
„ Nirmalchandra Chatterjee, M.A.	„ 200
„ Haranachandra Chakladar, M.A.	„ 250
„ Radhagoinda Basak, M.A.	„ 250
„ Narendrakumar Majumdar, M.A.	„ 100
Pandit Babuya Misra, Jyotishacharya	„ 100
Babu Panchanan Mitra, M.A.	„ 200
Mr. Y. J. Taraporewall, M.A.	„ 250
„ J. Masuda.	„ 200
„ R. Kimura.	„ 200

(3) That Babu Panchanan Mitra, M.A., be appointed University teacher on a salary of Rs. 200 a month for a term of two years from the commencement of the ensuing session, that is, 1st June, 1919.

(4) That, subject to the sanction of the authorities of the Presidency College, an honorarium of Rs. 100 a month be offered to each of the following gentlemen :—

Mr. J. N. Das Gupta, B.A.

Mr. K. Zachariah, B.A.

(5) That, subject to the sanction of the authorities of the Bethune College, an honorarium of Rs. 100 a month be offered to Babu Prabodhchandra Sengupta, M.A., B.T.

(6) That Babu Jatindranath Banerjee, M.A., do continue to act as Assistant to the Carmichael Professor on a remuneration of Rs. 150 a month.

RESOLVED—

That the following distribution of work among the members of the staff be approved :—

5th-year Class—1 Section of 125 students.

6th-year Class—1 Section of 125 students.



**5th-year Class.****PAPER I (England).**

Mr. B. B. Sen.

**PAPER II (Ancient India).**

Dr. R. C. Majumdar.

**PAPER III (Ancient East).**

Mr. G. N. Banerjee.

**PAPER IV (Constitutional History).**

Mr. J. N. Das Gupta.

Mr. K. Zachariah.

**PAPER V (International Law).**

Mr. A. C. Dutt.

**PAPER VI-VII.**

(a) Islam—Mr. S. Khuda Buksh (Outside India).

Dr. A. Suhrawardy (In India).

(b) Comp. Politics—Mr. B. B. Sen (Ancient).

„ P. N. Banerjee (Modern).

„ N. Chatterjee (Mediæval).

(c) Modern India—Mr. I. B. Banerjee.

„ S. Sen.

(d) Economic History—Mr. B. K. Sarkar (England).

„ J. C. Sinha (India).

(e) French Revolution—Mr. J. N. Das Gupta.

„ Y. J. Taraporewala.

**6th-year Class.****PAPER I (England).**

Mr. B. B. Sen.

**PAPER II (Ancient India).**

Dr. R. C. Majumdar.

**PAPER III (Ancient East).**

Mr. G. N. Banerjee.

**PAPER IV (Constitutional History).**

Mr. J. N. Das Gupta.

Mr. K. Zachariah.

**PAPER V (International Law).**

Mr. A. C. Dutt.

**PAPERS VI—VII.**

(a) Islam—Mr. S. Khuda Buksh (Outside India).

Dr. A. Suhrawardy (In India).

(b) Comparative Politics—Mr. B. B. Sen (Ancient).

„ P. N. Banerjee (Modern).

„ N. C. Chatterjee (Mediæval).

- (c) Modern India—Mr. Indubhusan Banerjee.  
 „ S. Sen.  
 (d) Economic History—Mr. B. K. Sarkar (England).  
 „ J. Sinha (India).  
 (e) French Revolution—Mr. J. N. Das Gupta.  
 „ Y. J. Taraporewala.

#### TUTORIAL WORK.

The students in each year will be divided into 12 batches, so that each batch will consist of 10 or 11 students. It is proposed to assign to each member of the staff one or more of these batches according to the following plan :—

Name.	No. of batches.
Mr. G. N. Banerjee	.. ... 2
„ I. B. Banerjee	... ... 3
„ N. Banerjee	... ... 2
„ P. N. Banerjee	... ... 2
„ N. Chatterjee	... ... 3
„ J. N. Das Gupta	... ... 1
„ A. C. Dutt	... ... 1
Dr. R. C. Majumdar	... ... 2
Mr. H. C. Raychaudhuri	... ... 1
„ Arun Sen	... ... 1
„ B. B. Sen	... ... 1
„ S. Sen	... ... 2
„ Y. J. Taraporewala	... ... 2
„ Zachariah	... ... 1

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#### SPECIAL COURSE.

*Ancient Indian History and Culture.*

#### 5th-year Class.

Compulsory Papers.

#### PAPER I.

Mr. S. N. Majumdar.

#### PAPER II.

Mr. H. C. Raychaudhuri.

Special Groups.

I. Archæology—

#### PAPER V.

Prof. D. R. Bhandarkar.

Mr. R. G. Basack.

## PAPER VII.

Prof. D. R. Bhandarkar.

## II. Social and Constitutional History

## PAPER VI.

Mr. N. C. Banerjee.

## PAPER VII.

Mr. H. C. Chakladar.

„ B. C. Majumdar.

„ B. A. Gupte.

## III. Religious History—

## PAPER VI.

Mr. D. C. Acharyya.

## PAPER VIII.

Dr. B. Barua.

## IV. Astronomy and Mathematics—

## PAPERS V-VIII.

Mr. P. Gangooly.

„ N. K. Majumdar.

„ P. C. Sen Gupta.

Pandit Babuysa Misra.

**6th-year Class.**

## Compulsory Papers.

## PAPER I.

Mr. S. N. Majumdar.

## PAPER III.

Mr. H. C. Raychaudhury.

## Special Groups.

## I. Archæology—

## PAPER V.

Prof. D. R. Bhandarkar.

Mr. R. G. Basak.

## PAPER VI.

Mr. A. Sen.

„ J. N. Banerjee.

## PAPER VII.

Prof. D. R. Bhandarkar.

## PAPER VIII.

Mr. A. Sen.

## II. Social and Constitutional History—

## PAPER VI

Mr. N. C. Banerjee.

## PAPER VIII.

Mr. H. C. Chakladar.

„ B. C. Majumdar.

„ B. A. Gupte.

## III. Religious History—

## PAPER VI.

Mr. D. C. Acharyya.

## PAPER VII.

Dr. Baruya.

Mr. R. Kimura

„ J. Masuda.

## PAPER VIII.

Dr. Baruya.

## IV. Astronomy and Mathematics—

## PAPER V-VIII.

Mr. P. Gangooly.

„ N. K. Majumdar.

„ P. C. Sen-Gupta.

Pandit Babuya Misra

On the motion of Prof. D. R. Bhandarkar, it was

## RESOLVED—

That the following books be included in the list of books previously recommended :

(1) For “Archaeology” group.

G. N. Banerjee—Hellenism in Ancient India.

(2) For “Social and Constitutional History (1-3) Social and Economic Life and Administration” group.

R. C. Majumdar—Corporate Life in Ancient India.

## RESOLVED—

That the present time-table for the Sixth-year Class be continued after the Summer Vacation till it is altered by the Board.

## RESOLVED FURTHER—

That the Board recommend that a Journal be published by the University for the Department of Letters (as for the Department of Science.)”

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Indian Vernaculars, dated the 10th April, 1919.

**RESOLVED—**

That the Hon'ble Sir Asutosh Mookerjee be elected Chairman of the Board for the session 1919-20.

Read a note on the scheme of Indian Vernaculars for the M. A. Degree drawn up by Professor Taraporewala. The Secretary stated that he had sent a copy of the note to each member of the Board.

**RESOLVED—**

That the note be recorded and Dr. Taraporewala be thanked for his suggestions.

**RESOLVED—**

(1) That the M.A. Examination in Indian Vernaculars be held for the first time in 1920 for the benefit of non-collegiate students if any, and that candidates be required at that Examination to take up Bengali as the principal Vernacular.

(2) That for the examination of 1921 also, Bengali be the only Vernacular which may be taken up as principal Vernacular, unless meanwhile satisfactory progress is made with the preparation and publication of Volumes of Typical Selections in the other Vernaculars.

(3) That, until further orders, candidates be allowed to select the subsidiary Vernacular from the following list :

Assamese, Uriya, Hindi, Marathi, Gujrati, Telugu, Tamil, Kanarese, Malayam, Sinhalese, Urdu.

(4) That for the examinations in 1920 and 1921 the following course be prescribed in Bengali:

#### PAPER I.

History of Bengali Literature from the earliest times down to 1850.

Special Period—Vaisnab Literature during the Sixteenth Century.

Books recommended :

D. C. Sen ... History of Bengali Language and Literature.

D. C. Sen ... Vaisnab Literature in Mediaeval Bengal.

D. C. Sen ... Chaitanya and his Companions.

#### PAPER II.

(1) Vanga Sahitya Parichaya, ed. by D. C. Sen, Vol. I, pp. 27-101.

(2) Mayanamatir Gan, ed. by Nalinikanta Bhattasali (Dacca Sahitya Parishad).

## PAPER III.

Mukundaram Kabikankan—Chandimangal.  
Michael Madhusudan Dutt—Meghnadbadh.

## PAPER IV.

(a) Development of prose style in Bengali Literature, 1800-1857.

(b) Influence of Western Culture on Bengali Literature, 1857-80.

In Papers II and III, 75 marks shall be allotted to the texts and 25 marks to the unseen passages.

Questions on the texts shall include

(a) Questions on the subject matter and on the language of the prescribed books (Historical, Geographical, Critical questions and literary allusions are not excluded).

(b) Questions on Grammar and Prosody arising from the texts.

(c) Questions on the life and literary career of the authors whose works are prescribed.

(5) That Babu Praphullachandra Ghose, M.A., University Lecturer in English and Babu Muralidhar Banerjee, M.A., University Lecturer in Sanskrit be also appointed University Teachers in Indian Vernaculars for the session 1919-20.

(6) That Babu Basantaranjan Ray be appointed a Tutor in Bengali for the session 1919-20.

(7) That the work in Bengali be distributed amongst the staff as follows :

## PAPER I.

Rai Saheb D. C. Sen, B.A.

## PAPER II.

Rai Saheb D. C. Sen, B.A.

Babu Basantaranjan Ray.

## PAPER III.

Babu Jogindranath Bose, B.A. (Meghnadbadh).

Babu Charuchandra Banerjee, B.A. (Chandimangal).

## PAPER IV.

Babu Praphullachandra Ghose, M.A. (Influence of Western Culture).

Babu Sushilkumar De, M.A. (Bengali Prose Style).

(8) That the undermentioned gentlemen be invited to undertake instruction in the subsidiary Vernaculars mentioned :

Assamese	...	Mr. Ambikanath Borah, M.A.
Uriya	...	Mr. B. C. Majumdar, B.A.
Hindi	...	Babu Brajamohan Thakur, M.A.

Marathi	...	{ Prof. D. R. Bhandarkar, M.A. Pandit Sitaram Sastri.
Gujrathi	...	{ Dr. I. J. S. Taraporewala, B.A., Ph.D. Pandit Haragobinda Das Sheth.
Telegu	...	Mr. K. Rangachari, B.A.
Tamil	...	Pandit Lakshman Sastri.
Kanarese	...	Mr. Poona Appaji Rao, B.Sc.
Malayalam	...	Pandit Anantakrishna Sastri.
Sinhalese	...	Rev. R. Siddhartha.
Urdu	...	The Hon'ble Dr. A. M. Suhrawardy, Ph.D.

(9) That until further orders the list of basic languages do include the following :

Prakrit.	Pali.	Persian.
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(10) That the undermentioned gentlemen be invited to give instruction in the following languages :

Prakrit	...	Mahanahopadhyay	Dr. Satishchandra
		Vidyabhushan,	M.A., Ph.D.
Pali	...	Babu Sailendranath	Mitra, M.A.
Persian	...	Aga Kazim	Shirazi.

(11) That the following gentlemen be appointed to give instruction in the Philology of the Vernaculars :

Babu Muralidhar Banerjee, M.A.  
Mr. B. C. Majumdar, B.A.  
Babu Sunitikumar Chatterjee, M.A.

(12) That in each subsidiary language the best qualified student be granted a stipend of Rs. 15 a month tenable for two years as also a free-studentship (no law student shall be entitled to the benefit of this resolution).

(13) That each of the gentlemen mentioned above be offered for the session 1919-20 an honorarium of Rs. 300 ; payable in four equal quarterly instalments, for his assistance in the work of the department of Indian Vernaculars.

The President stated that the undermentioned gentlemen had consented to deliver the following courses of lectures :

(1) Sir Rabindranath Tagore, D.Litt.

Bengali Prosody.

(2) Babu Jaygopal Banerjee, M.A.

A comparative study of contemporary thought and literature in Bengal and in the West.

(3) Babu Abhoykumar Guha, M.A., B.L.

On the Spiritual Philosophy of the Vaisnabs with special reference to the Chaitanya Charitamrita.

(4) Babu Sasankamohan Sen, B.L.

Ideals of World-literature in Bengali literature.

That the thanks of the Council be conveyed to the gentlemen named.

Read a letter from Babu Muralidhar Banerjee, M.A., University Lecturer in Sanskrit forwarding specimen copy of an Elementary Bengali Grammar and Specimen Pages of a Comparative Grammar of the Bengali Language.

ORDERED—

To be recorded.”

RESOLVED—

That the Proceedings be confirmed.

Read a letter from Shaik Abu Nasir Gilani, University Lecturer in Persian, who was granted leave for three months (Executive Committee, dated the 24th February, 1919), requesting that his salary-cheques for the aforesaid period may be drawn in favour of his colleague, Aga Muhammad Kazim Shirazi.

RESOLVED—

That the request be complied with.

Read an endorsement from Mr. J. R. Banerjee, M.A., University Lecturer in Philosophy, and a letter from Sir P. C. Ray forwarding with their recommendations, an application from Narendranath Chakrabarti, a student of the Sixth-year Class in English, praying that he may be granted a free-studentship with effect from March last up to the end of the current session on ground of indigent circumstances.

RESOLVED—

That the application be granted.

The Secretary reported that the term of appointment of Babu Amalechandra Ghosh, B.A. who was appointed a temporary typist for three months (Executive Committee, dated 17th January, 1919) would expire on the 21st April, 1919, and that his services would be further required.

RESOLVED—

That the term be extended for the present till the 30th June next.

The Secretary submitted a bill for Rs. 22-11 from Messrs. H. M. Ganguli and Co., Cabinet Makers, for supplying a rack for the anatomical charts of the Philosophy Department.



**RESOLVED—**

That the bill be paid.

The Secretary reported that an edition of 500 copies of Part I of "Theory of Plane Curves" by Babu Surendramohan Ganguli, M.Sc., University Lecturer in Pure Mathematics, had been printed in the University Press at a cost of Rs. 462 and requested the Executive Committee to fix the price of the book.

**RESOLVED—**

That the book be sold at Rs. 2 per copy.

The Secretary submitted a bill for Rs. 10-8 from Messrs. Thacker Spink & Co., for supplying a book for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill for Rs. 70 from the Borooah Agency for supplying books on Assamese Language for the Library of the Post-Graduate Department.

**RESOLVED—**

That the bill be paid.

The Secretary submitted travelling allowance bill for Rs. 483-4 from Mr. R Shamasastry, M.A., for his journey from Mysore to Calcutta and back in connection with the Readership Lectures.

**RESOLVED—**

That the bill be paid.

Read a letter from Mr. S. K. Maitra requesting that 16 copies of his translation of Professor Stein's work on "Philosophical Currents of the Present Day" Vol II may be supplied to him and that copies of the Volume may be sent to the Editors of the Philosophical Magazines (as in the case of the Vol. I Executive Committee, dated the 18th December 1918) for review.

**RESOLVED—**

That the same steps be taken with regard to Vol. II as with Vol. I.

Read a letter from Babu Surendramohan Ganguly, M.Sc., University Lecturer in Pure Mathematics, requesting to be supplied with 15 copies of his lectures on the Theory of Plane Curves (Part I) just published by the University, for distribution among the leading Mathematicians of Calcutta.

**RESOLVED—**

(1) That the request be complied with.

(2) That the copy of the book be sent to each member of the Board of Higher Studies in Pure Mathematics, and to leading Mathematical Journals and Societies in India and elsewhere (the list to be drawn out by the Secretary, subject to the approval of the President).

The Secretary submitted bills for Rs. 176 and Rs. 40-4 from Kamalalaya and Badridas respectively for supplying hot weather uniform for the menials of his Department (sanctioned by Executive Committee, dated the 20th March, 1919).

**RESOLVED—**

That the bills be paid.

The Secretary placed on the table the Manuscripts of lectures delivered by Mr. R. Shamasastri, together with an estimate of cost Rs. 904 for printing 1000 copies at the University Press.

**RESOLVED—**

That the book be published in an edition of 1000 copies.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1918-19

No. 10

The 22nd April, 1919

PRESENT :

The Hon'ble Justice Sir Asutosh Mookerjee Kt., C.S.I., M.A., D.L., D.Sc.  
Ph. D., *President, in the Chair.*

The Hon'ble Sir Devaprasad Sarva-	Babu Nalinaksha Datta, M.A.
dhikary, Kt., C.I.E., M.A., LL.D.	.. Rabindramohan Datta, M.A.
Dr. G. Howells, M.A., Ph.D., B.Lit.,	.. Sushilkumar De, M.A.
B. D.	.. Sasindrachandra Dhar, M.Sc.
Rai A. C. Bose Bahadur, M.A.	Mr. Phanindralal Ganguli, M.A.
Babu Dhireschandra Acharyya, M.A.	Babu Surendramohan Ganguli, M.Sc.
Dr. Haridas Bagehi, M.A., Ph.D.	Mr. B. C. Ghosh, M.A., M.B.
Babu Gauranganath Banerjee, M.A.	Babu Praphullachandra Ghosh, M.A.
.. Hariprasanna Banerjee, M.Sc.	.. Praphullachandra Ghosh, M.A.,
.. Jyogopal Banerjee, M.A.	B.Sc.
Mr. J. R. Banerjee, M.A.	.. Satishchandra Ghosh, M.A.
Babu Mammathanath Banerjee, M.Sc.	.. Rajanikanta Guha, M.A.
.. Muralidhar Banerjee, M.A.	.. Manoranjan Gupta, M.Sc.
.. Narayanachandra Banerjee, M.A.	Dr. Hiralal Haldar, M.A. Ph.D.
Dr. Pramathanath Banerjee, M.A., D.Sc.	Rev. A. B. Johnston, B.A.
Babu Pramathanath Banerjee, M.A.	Dr. Ramdas Khan, M.A., Ph.D.
.. Srikumar Banerjee, M.A.	Mr. R. Kimura.
Dr. Benimadhab Barua, M.A., D. Lit.	.. J. Masuda.
Babu Satishchandra Basu, M.A.	Rujaguru Bhagavanachandra Mah-
Prof. D. R. Bhandarkar, M.A.	staviar.
Babu Haridas Bhattacharyya, M.A.	Babu Herambachandra Maitra, M.A.
.. Krishnachandra Bhattacharyya,	.. Narendrakumar Majumdar, M.A.
M. A.	Dr. Rameschandra Majumdar, M.A.,
.. Kokileswar Bhattacharyya, M.A.	Ph.D.
.. Mohinimohan Bhattacharyya,	Babu Surendranath Majumdar, M.A.
M.A.	Maulvi Abu Musa Ahmadul Haq.
.. Pnupatinath Bhattacharyya, M.A.	Pandit Babuya Misra.
.. Girindrasekhar Bose, M.Sc., M.B.	Babu Ambikacharan Mitra, M.A.
.. Haranachandra Chakladar, M.A.	Mr. Khagendranath Mitra, B.A.
.. Niranjanprasad Chakrabarti, M.A.	Babu Sailendranath Mitra, M.A.
.. Prabhatchandra Chakrabarti, M.A.	.. Bijaygopal Mukerjee, M.A.
.. Nalinimohan Chatterjee, M.A.	Dr. Harendrakumar Mookerjee, M.A.
.. Nirmalchandra Chatterjee, M.A.	Ph.D.
.. Satishchandra Chatterjee, M.A.	Babu Panchananandas Mookerjee, M.A.
.. Sunitikumar Chatterjee, M.A.	.. Radhakamal Mookerjee, M.A.

Babu Jitendraprasad Niyogi, M.A.

Swami Punnananda.

Babu Hemchandra Raychandhuri, M.A.

Babu Debendranath Ray, M.A.

„ Satischandra Ray, M.A.

Mr. Surendramohan Sanyal, M.A., M.Sc.

„ Bijaykumar Sarkar, A.B.

Vedantabharad N. S. Anantakrishna Sastri.

Babu Asutosh Sastri, M.A.

Dr. Brajendranath Seal, M.A., Ph.D.

Mr. Arun Sen, B.A.

Babu Bipinbihari Sen, M.A.

„ Saileswar Sen, M.A.

„ Surendranath Sen, M.A.

Mr. A. C. Sengupta, M.A.

Pandit Horgovind Das Sheth.

Swami Rambukwello Siddharta, Sastri.

travisarad Vinayacharyya.

Babu Jogischandra Sinha, M.A.

Dr. H. Stephen, M.A., D.D.

The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.

Dr. I. J. S. Taraporewala, B.A., Ph.D.

Mr. Y. J. Taraporewala, B.A.

Mahamahopadhyay Pramathanath Tarkabhushan.

Pandit Krishnacharan Tarkalankar.

Rev. W. S. Urquhart, M.A., Ph.D.

Pandit Rajendranath Vidyabhushan.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.

Mr. G. C. Bose, M.A.

„ K. Zachariah, B. A.

Rev. Dr. J. Watt, M.A., D.D.

Rai Sahab Dineshchandra Sen, B.A.

Babu Charuchandra Banerji, B.A.

Babu Narendrakumar Majumdar, M.A., University Lecturer and Member of the Council, moved the following motion :—

“That this Council places on record a deep sense of the great loss sustained by the unexpected and untimely death of Babu Kalidhan Chatterjee, M.A., University Lecturer in Philosophy, and also record their high appreciation of the noble qualities, exemplary character and the distinguished services of the deceased and that a letter of condolence be sent to the bereaved members of the family.”

Dr. Brajendranath Seal seconded the motion.

Dr. Watt, Dr. Stephen and Mr. J. R. Banerjee supported the motion.

The motion was then put to the vote and carried unanimously every member standing.

Babu Haranachandra Chakladar, M.A., University Lecturer and Member of the Council, moved the following motion :—

“That this Council places on record the deep sense of the loss sustained by the sudden death of Rai Rajendrachandra Sastri Bahadur, M.A., and also record their high appreciation of the noble qualities, exemplary character and the distinguished services rendered by the deceased, and that a letter of condolence be sent to the bereaved members of the family.”

Dr. S. C. Vidyabhushan seconded the motion, which was supported by Pandit Rajendranath Vidyabhushan, Mr. J. R. Banerjee, and the Hon'ble Sir D. P. Sarbadhikary.

The motion was then put to the vote and carried unanimously every member standing.

Dr. Seal moved that the Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts, dated the 20th March, 1919, be confirmed.

Dr. S. C. Vidyabhusan seconded the motion, which was put to the vote and carried.

Dr. Seal moved that the Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts, dated the 10th April, 1919, be confirmed.

The motion which was seconded by Mr. J. R. Banerjea.

Principal G. C. Bose supported the motion and made suggestions about the textbooks in Bengali for the M. A. Examination in Indian Vernaculars.

The President assured Principal Bose that his suggestions would receive very careful consideration.

The motion was then put to the vote and carried.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1918-19.

**No. 21.**

The 17th May, 1919.

**PRESENT :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc.,  
*President, in the Chair.*

Rev. Dr. G. Howells, M.A., Ph.D., B.Litt., B.D.	The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.
Rai A. C. Bose, Bahadur, M.A.	Professor D. R. Bhandarkar, M.A.
Professor H. Stephen, M.A., D.D.	Mr. Bipinbihari Sen, M.A.
Mahamahopadhyay Dr. Satischandra Vidyabhushan, M.A., Ph.D.	Mr. Satischandra Ray, M.A.
Dr. I. J. S. Taraporewala, B.A., Ph.D.	Mr. J. C. Coyajee, B.A., LL.B.
	Dr. Syamadas Mukerjee, M.A., Ph.D.

• Read the following letter from Maharaja Sri Sir Bir Mitrodaya Singh Deo Dharmanidhi, K.C.I.E., Feudatory Chief, Sonapur, addressed to the President :—

**"FROM**

**MOHARAJA SRI SIR BIR MITRODAYA SING DEO**  
**DHARMANIDHI, K.C.I.E.,**  
Feudatory Chief, Sonapur Feudatory State, Sanbalpur, Orissa.  
*Bihar and Orissa Province.*

**To**

**THE HON'BLE JUSTICE SIR ASUTOSH MOOKERJEE, M.A.,**  
**D.L., Kt., C.S.I.,**  
President to the Council of Post Graduate Teaching in  
Arts, Senate, House, Calcutta.

*Dated, Sonapur the 20th April, 1919.*

Sir,

Enclosed is a cheque for Rs. 1,500 which I trust you will be pleased to accept as my donation towards the cost of bringing out the work which will contain typical sections of Oriya literature.

I have been taking deep interest in the matter and just when the resolution regarding it was passed and Mr. B. C. Mazumdar was given to edit the work, I secured all Oriya works both published and unpublished and made them over to Mr. Mazumdar to enable him to execute the work. I may mention that I also placed the services of one Oriya Clerk under Mr. Mazumdar in September 1918 and this clerk worked under him till the end of March, 1919.

The Oriya speaking people will always remain faithful to you for bringing their hitherto neglected literature to such prominence. It has been informally communicated to you how I desire to associate my name with this highly important publication. I trust my humble desire will be fulfilled and the amount remitted herewith will be accepted.

I have the honour to be,

SIR,

Your most obedient servant,

Sd. B. M. S. DEO,

*Moharaja and Feudatory Chief."*

#### RESOLVED—

That the generous gift of the Maharaja be thankfully accepted, and be acknowledged on the title pages of the volumes of Typical Selections in Oriya Literature (Published by the liberality of Maharaja Sir Bir Mitrodaya Singh Deo, K.C.I.E., Feudatory Chief, Sonepur State, Orissa).

Read the following letter from Babu Durgacharan Mookerjee addressed to the President :

"42, BANCHARAM UCCOOR LANE,  
Calcutta, the 6th May, 1919.

MY DEAR SIR ASUTOSH MUKHERJEE,

I have noticed with great interest that the Government of India has sanctioned your scheme for the institution of an M.A. Degree in Indian Vernaculars. I beg to associate myself with this great project and to place at the disposal of the University, the sum of Rs. 1,500 in 3½ per cent. Government Promissory Notes in memory of my deceased wife Srimati Durgamani Devi, on the following conditions:—

(1) That a biennial gold medal, to be called the Durgamani Devi Gold Medal, be instituted bearing the words, "Durgamani Devi Gold Medal awarded to ....." on one side, and the University Arms on the other.

(2) That the medal be presented publicly every alternate year at the Annual Convocation for conferring degrees, to that one of the successful candidates for the degree of Master of Arts in Indian Vernaculars, who obtains the highest number of marks.

(3) That the names of the Medalists be printed in the Gazette and also in the University Calendar.

I would request you to take the necessary steps that my offer may be accepted by the University authorities, as early as possible.

I am,

Yours sincerely,

Sd. DURGACHARAN MOOKERJEE."

**RESOLVED**

That the donor be thanked for his appreciative gift.

Read the following Proceedings of the Board of Higher Studies in Pali, Dated the 10th May, 1919:

"The Board met to consider the arrangements for the Under-Graduate Classes in Pali during the ensuing session, as the Syndicate had requested the Board to undertake the management of these Classes.

**RESOLVED—**

(i) That the official routine matters such as collection of fees, issue of certificates, be entrusted to the Post-Graduate Office in the same manner as in the case of Post-Graduate Classes.

(ii) That the teaching work of the Under-Graduate Classes be entrusted to a staff composed partly of Post-Graduate teachers and partly of teachers specially appointed for the purpose.

(iii) That the undermentioned members of the Post-Graduate teaching staff be selected for this work during the session 1919-20:—

Dr. Benimadhab Barua, M.A., D.Litt.

Babu Sailendranath Mitra, M.A.

„ Nalinaksha Datta, M.A.

Swamana Punnananda.

Babu Gokuldas De, M.A.

Swami R. Siddhartha.

(iv) That the undermentioned gentlemen be appointed teachers for the Under-Graduate Classes during the session 1919-20 on a remuneration of Rs. 100 a month each:—

Babu Mukundabihari Mallik, M.A.

„ Mahendrakumar Ghosh, M.A.

(v) That the following distribution of work be sanctioned:—

*Matriculation Examination.*

Junior Class	...	4 hours a week.
Senior Class	...	4 „ „ „
Babu Mahendrakumar Ghosh	...	4 hours a week.
Swamana Punnananda	...	4 „ „ „
Rev. R. Siddhartha	...	Tutorial.

*I. A. Examination.*

First-Year Class	...	4 hours a week.
Second „ „	...	4 „ „ „



Babu Mukundabihari Mallik	... 4 hours a week.
„ Gokuldas De	... 4 „ „ „
„ Mahendrakumar Ghosh	... Tutorial:
Swamana Punnananda	... Tutorial.

*B. A. Examination.*

## (Pass Course.)

Third-Year Class	... 4 hours a week.
Fourth „ „	... 4 „ „ „
Babu Mukundbihari Mallik	... 3 hours a week.
„ Mahendrakumar Ghosh	... 2 „ „ „
„ Gokuldas De	... 3 „ „ „

*Honours.*

## (Additional)

Third-Year Class	... 2 hours a week.
Fourth „ „	... 2 „ „ „
Babu Nalinaksha Datta	... 4 hours a week.
Dr. B. Barua	} Tutorial (Pass and Honours).
Babu Sailendranath Mitra	

(vi) That an honorarium of Rs. 300 a year be fixed for each of the following gentlemen :—

Dr. B. Barua.  
Mr. S. N. Mitra.  
„ N. K. Datta.  
„ G. D. De.  
Rev. R. Sidhartha.

(vii) That the following Standing Committee be appointed to manage the work of the Under-Graduate Classes :—

The Hon'ble Sir Asutosh Mookerjee, *President*.  
Mahamahopadhyay Dr. Satischandra Vidyabhushan.  
Dr. B. Barua.  
Mr. S. N. Mitra.  
„ N. K. Datta.  
Swamana Punnananda.  
Mr. G. D. De.  
Rev. R. Siddhartha.  
Mr. M. B. Mallik.  
„ M. K. Ghosh.

(iii) That the following scale of monthly tuition fee be adopted :—

			Rs.
Matriculation Classes	...	...	1
Intermediate Classes	...	...	1-8
B. A. Classes (Pass)	...	...	2
B. A. Classes (Honours)	...	...	2-8"

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Arabic and Persian, dated the 10th May, 1919 :

"The Board met to consider the arrangements to be made for teaching in the Under-Graduate Classes as the Syndicate had requested the Board to undertake their management.

RESOLVED—

(1) That the present staff, namely, one lecturer in each subject for the I.A. and the B.A. Pass and Honours Classes was inadequate, and required to be strengthened by the addition of at least one lecturer in each subject.

(2) That the further consideration of the matter be deferred till the next meeting."

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Arabic and Persian, dated the 17th May, 1919 :

"RESOLVED—

That Khan Bahadur Maulvi Muhammad Ibrahim, B.A., be appointed a University Lecturer in Persian for the session 1919-20, and that his remuneration be fixed at Rs. 100 a month.

RESOLVED FURTHER—

(i) That the following gentlemen be appointed instructors for the Under-Graduate classes for the session 1919-20 on a remuneration of Rs. 50 a month each :

#### PERSIAN.

Khan Bahadur Maulvi Muhammad Ibrahim, B.A.  
Aga Kazim Shirazi.

#### ARABIC.

Abu Musa Ahmadul Huq.  
Shameul-Ulama Maulavi Mahammad Yusuf Jafri Khan  
Bahadur.

(ii) That the programme of work be as follows :

First-year Class	...	Persian	...	4 hours a week.
		Arabic	...	4 "
Second-year Class	...	Persian	...	4 "
		Arabic	...	4 "
Third-year Class	...	Persian	...	4 "
<i>Pass</i>	{	Arabic	...	4 "
Third-year Class	...	Persian	...	2 "
<i>Honours.</i>	{	Arabic	...	2 "
Fourth-year Class	...	Persian	...	2 "
<i>Pass</i>	{	Arabic	...	2 "
Fourth-year Class	...	Persian	...	2 "
<i>Honours</i>	{	Arabic	...	2 "

(iii) That the scale of monthly tuition fee be as follows :—

I.A. Students	...	Rs. 1-8.
B.A. Pass Students	...	" 2.
B.A. Honours Students	...	" 2-8."

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Indian Vernaculars, dated the 17th May, 1919 :—

“RESOLVED—

That the following lists of books be recommended for use by students taking up the different languages mentioned as part of their course for the M. A. Degree in Indian Vernaculars, 1920 and 1921 :—

### ASSAMESE.

*Texts.*

Sankardeb	...	Rukmini Haran.
Bhattadeb	...	Katha Gita (First Three Chapters.)
Gunabhiram Barua	...	Asam Buranji (First Four Chapters.)
Lakshminath Bezbarua	...	Kripabar Barbaruar Kakatar Topola.
Mafizuddin Ahmed	...	Jnana Malini.

*Grammar.*

Hemchandra Barua	...	Asamiya Byakaran.
Debananda Bharali	...	Asamiya Bhashar Maulik Bichar.
Satyanath Bora	...	Sahitya Bichar.
Debananda Bharali	...	Anglo-Assamese Grammar.
C. F. Nicholl	...	Assamese Grammar (in Bengali Manual.)

*Literary History.*

Debendranath Bezbarua ... Asamiya Bhasha Aru Sahityar  
Buranji.

## ORIYA.

*Tests.*

Jagannathadasa	.	Bhagabata, Skandha XI.
Upendra Bhanja	.	Baidehisabilasa, Part IV.
Madhusudana Rao	.	Prabandhamala.
Madhusudana Rao	.	Kusumanjali.
Phakirmohana Senapati	.	Chha-mana At-guntha.

*Grammar—*

Radhanath Ray	..	Byakarana Prabesa.
E. C. B. Hallam	..	Orriva Grammar.

*Literary History—*

Manmohan Chakrabarty      Articles on Oriya Literature (in  
the J.A.S.B., 1898-99).

## MARATHI.

*Tests—*

Gadyaratna Samuchchay, Part I.  
Navanit, pp. 2-20, 47-88, 159-171, 381-410.

*Grammar—*

Ramchandra Joshi.	Bhikaju	Praudhabodh Vyakaran.
G. R. Navalkar	..	Marathi Grammar.

*Literary History—*

Bhabe	...	..	Maharashtra Sarasvat.
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## HINDI.

*Tests—*

Ramanares Tripathi	Kavita Kaumudi, Part I.
Harischandra	Sātya Harischandra.
Ajodhya Singh Upahyay.	Theth Hindi Ka That.
Misra Bandhu	Hindi Navaratnamala.
Kasiram & Dwarka Prasad	Tulshi Sangraha.

*Grammar—*

Kellogg	...	...	Grammar of the Hindi Language.
Pincott	...	...	Hindi Manual.
Etherington	...	...	Bhasha Bhaskar.
Garcin de Tassy	...	...	Chrestomathie Hindie ou Hin- douie.

*Literary History—*

Grierson ...

Vernacular Literature of Hindustan.

## GUJARATI.

*Texts—*

Nandshankar Tuljashankar Karan Ghelo.  
 I.P. Khansaheb and Nar- Sahitya Ratna.  
 harilal Trikamlal.

*Grammar—*

Taylor ... Gujarati Bhashanum Vyakaran.  
 K. P. Trivedi ... Madhya Vyakaran.  
 St. Clair Tisdall ... Simplified Grammar of the Gujarati  
 Language.  
 Khansaheb and Sheth Hints on the Study of Gujarati.

*Literary History—*

K. M. Jhaveri ... Milestones in Gujarati Literature.

## URDU.

*Texts—*

Kalam-i-Urdu (Board of Examiners).  
 Hayat-i-Saadi (Ilali).  
 Taubatu-n-Nasuh (Nazir Ahmad).  
 Nazm-i-Muntakhab.  
 Musaddas-i-Ilali

*Grammar—*

Palmer Simplified Grammar of Hindustani,  
 Persian and Arabic.  
 Green A Practical Hindustani Grammar.  
 Forbes Hindustani Grammar.  
 Platts Hindustani Grammar.

*Literary History—*

Garcin de Tassy Histoire de la Litterature Hindouie  
 et Hindoustanie.  
 Azad Ab-i-Hayat.

## PALI.

Andersen Pali Reader.  
 Frankfurter Pali Handbook.  
 Muller Simplified Pali Grammar.  
 Victor Henry Precis de Grammaire Palie.  
 Vidhusekhar Sastri Pali Prakasa.

## PRAKRIT.

Vararuchi	..	Prakritprakas.
Rajasekhara	..	Karpuramanjari.
Cowell	..	Introduction to Prakrit.

## PERSIAN.

New Persian Selections (Board of Examiners.)

Kanga	...	Selections from Persian Prose and Poetry.
Platts & Ranking	...	Persian Grammar.
Kanga	...	Hints on the study of Persian."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Economics, dated the 17th May, 1919:

"Read a letter from Babu Satishchandra Ray, M.A., University Lecturer in Economics, suggesting that Dr. Pramathanath Banerjee be requested to lecture on the following topics which are on the borderland of Politics and Public Administration :—

1. Development of Parliament from the old Councils.
2. Development of the Cabinet and the Privy Council.
3. Development of the judicial system in England.
4. Development of the Local Government system in England.—Comparative study of the local government systems in England, India and the Continent of Europe.
5. Development of responsible government in England, the Colonies and India.
6. Federalism—Comparative study of the federal systems in America, Canada, Australia and Switzerland, and its applicability to the British Empire.
7. Separation of Powers—its application to England, France, America and India.
8. Genesis of the Reform Acts of 1832, 1867, 1884 and 1885—and their effects on the constitution and politics of England.

## RESOLVED—

That the proposal be accepted.

The Secretary stated that it is necessary to appoint a member of the Standing Committee for the study of Co-operation :—

## RESOLVED—

That Babu Panchanandas Mookerjee, M.A., be appointed."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Comparative Philology, dated the 17th May, 1919:

**“RESOLVED—**

That the Board recommend:

(a) That Maulvi Muhammad Sahidulla, M.A., be appointed a wholetime research assistant in the Department of Comparative Philology, his special subject of investigation to be Bengali Philology.

(b) That the appointment be made, in the first instance, for a term of two years from 1st June, 1919, on a remuneration of Rs. 200 a month.

(c) That the remuneration be paid out of the Lahiri Fund and that the assistant be designated “Saratkumar Lahiri Research Assistant in Bengali Philology.”

**RESOLVED—**

That the Proceedings be confirmed.

The Secretary requested instructions as to the disposal of applications from candidates who intend to appear at the forthcoming M.A. and M.Sc. Examinations as University Students but who have not kept the prescribed minimum percentage of attendance at lectures.

**RESOLVED—**

That, in view of the dislocation of work due to the prevalence of epidemic, the names of students of the class mentioned be submitted to the Syndicate with a recommendation that the Senate be moved to sanction their admission to the ensuing M.A. & M.Sc. Examinations (the names to be selected by the Secretary, special consideration to be shown to students who have a good record of work in the tutorial classes and all names to be subject to approval by the President).

The Controller of Examinations reported that the following appointments of external examiners in Persian for the ensuing M.A. Examination had been made by the President:—

1. Mr. Z. R. Zahid Suhrawardy, M.A., B.L., in place of Shaikh Abu Nasr Gilani, who has left India.

2. Col. C. L. Peart, I.A., in place of Mr. O. F. Jenkins who has declined to accept his appointment.

3. The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., in place of Nawab Shams-ul-Ulama Syed Inadad Imam who has declined to accept his appointment.

**RESOLVED—**

That the appointments be confirmed.

The Secretary reported that Babu Ramkumar Biswas, a junior Assistant in his office, attached to the University Library, who had been suffering from small-pox and its after effects, was granted leave on full pay for one month and 12 days with effect from the 29th March, 1919.

**RESOLVED—**

That the action taken be approved.

The Secretary reported that Babu Sisirkumar Ray, M.A., Inspector of Residences for Post-Graduate Students, who had been suffering from Influenza from the 11th March to the 14th April, 1919, both days inclusive, was granted leave on full pay for the aforesaid period.

**RESOLVED—**

That the action taken be confirmed.

The Secretary reported that Babu Rashbihari Chakrabarti, one of the Assistants in his office attached to the Library who was granted leave without pay up to the 6th June, 1919 (Executive Committee, dated the 20th March, 1919) joined office on the 1st May, 1919, and requested that the period of leave not availed of by the Assistant may be cancelled.

**RESOLVED—**

That the suggestion of the Secretary be adopted.

The Secretary reported that the amount of Rs. 130 on account of the salary (for March and 9 days of April last) of the late Rai Rajendrachandra Sastri Bahadur was paid to the five sons of the deceased by instruction of the Hon'ble the President.

**RESOLVED—**

That the payment be sanctioned.

The Secretary reported that Mr. S. K. Maitra's translation of Professor Stein's work on "Philosophical Currents of the Present Day", Vol. II published at the University Press was out and requested the Executive Committee to fix the price of the volume.

**RESOLVED—**

That the price of Vol. II be the same as that of Vol. I.

Read a memo. from the Assistant Registrar forwarding an extract from the Minutes of the Syndicate, dated the 22nd May, 1919, requesting the Executive Committee to supervise the work of the Professor in French.



**RESOLVED—**

That the Secretary do take necessary action in the matter.

The Secretary submitted two bills for Rs. 18-6 and Rs. 50 respectively from Messrs. Chakrabarty, Chatterjee & Co., for supplying some books on Economics and History for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bills be paid.

The Secretary submitted a bill for Rs. 10-14 from Mrs. Radhabai Atmaram Sagoon, Bombay, for books in Marathi Language for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bills be paid.

The Secretary submitted a bill for Rs. 65 from Babu Rajballabh Mitra for supplying books on Indian History for the Post-Graduate Library.

**RESOLVED—**

That the bill be paid.

The Secretary submitted two bills for Rs. 170 and Rs. 160 from Messrs. Assalut Khan & Sons for the cost of binding 500 copies of Mr. S. K. Maitra's translation of Prof. Stein's work on "Philosophical Currents" Vol. II (Executive Committee, dated the 20th March, 1919) and 500 copies of Mr. Surendramohan Ganguli's work on the "Theory of Plane Curves" Vol. I respectively.

**RESOLVED—**

That the bills be passed for payment.

The Secretary submitted two bills for Rs. 21 and Rs. 125 respectively from Messrs Newman & Co., for supplying books on History and Philosophy for the Post-Graduate Library.

**RESOLVED—**

That the bills be paid.

The Secretary submitted two bills for Rs. 393 and Rs. 272/1- respectively from Messrs. Butterworth & Co., (India), Ltd., for supplying books on Experimental Psychology for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bills be paid.

The Secretary submitted a bill for Rs. 27 from Pandit Nityasarup Brahmachari for supplying Sanskrit books for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bill be paid.

Read a letter from Babu Bipinbihari Sen, M.A., (a member of the Provincial Educational Service, Bengal, whose services have been lent by Government to the University) requesting that the Government be moved for an extension of the term of his appointment in the University for such period as may be deemed fit by the Executive Committee.

**RESOLVED—**

That an application be made to the Director of Public Instruction, Bengal, to move the Government of Bengal to sanction the continuance of the service of Babu Bipinbihari Sen in the University for a fresh term of five years.

The Executive Committee considered the suggestions made for the nomination of University Readers, pursuant to the circular (Executive Committee, dated 4th February, 1919) issued to all members of the Council with a view to give effect to the resolution of the Syndicate, dated 8th February, 1918.

**RESOLVED—**

That the Executive Committee recommend to the Syndicate that the Senate be moved to appoint the undermentioned Scholars as University Readers, to deliver courses of lectures on the subjects mentioned :

(i) Mr. L. F. Rushbrook Williams, B.A., B. Litt. (Oxon) Fellow of All Souls College, Professor of Modern Indian History in the University of Allahabad, author of "handling of historical material", "Supplement to Gladwin's Ayeen Akbari", "An Empire-builder of the Sixteenth Century", etc.

Subject : The Military Organization of the Moguls.

(ii) Mr. S. Krishnaswami Ayyangar, M.A., Professor of Indian History and Archaeology in the University of Madras, author of "Ancient India", "Beginnings of South Indian History", etc.

Subject : The contribution of Southern India to Culture and Civilization in Ancient and Mediæval times.

(iii) Rabu Ramendrasundar Trivedi, M.A.

Subject : Vedic Sacrifices.

(iv) Professor Hakuju Ui, Sotoshu College, Tokyo, author of "Vaisesika Philosophy according to the Dasapadārtha Sastra", etc.

Subject: The development of the six systems of Hindu Philosophy.

**RESOLVED FURTHER—**

That the Syndicate be informed that steps have been taken to secure the co-operation for other distinguished scholars and the Executive Committee will make additional recommendations in due course.

The Secretary requested the Executive Committee to make arrangements for his office and emphasised the following points:—

(a) An Assistant should be appointed in place of Babu Pulinbihary Ray who had been absent on the ground of ill health for a long time.

(b) That an additional Assistant and an extra bearer were required to look after the Lending Library.

(c) That an additional Assistant was required to look after the Registers and the Classes as the amount of work would be considerably increased owing to the under-graduate classes in Arabic, Persian and Pali and the classes in French having been placed under the management of the Executive Committee.

(d) An additional Assistant was required to look after the needs of the Post-Graduate students in the University Library.

(e) That the additional typist should be permanently employed.

(f) That the Assistants in his office should be graded as in the departments of the Registrar and the Controller:

**RESOLVED—**

That the office staff be constituted as follows with effect from 1st June next:

		Grade.	Salary on 1. 6. 19.
Babu Sisirkumar Ray, M.A.	...	100-10-150	110
„ Dwijendranath Bose	...	100-10-150	110
„ Basantakumar Nag	...	75-10-125	90

	Grade.	Salary on 1. 6. 19.
Babu Netrararjan Datta ...	50-5-75 ...	Rs. 65
„ Bhupatinath Tarafdar ...	50-5-75 ...	„ 65
„ Kalicharan Chatterjee ...	50-5-75 ...	„ 60
„ Amalchandra Ghosh, B.A. ...	50-5-75 ...	„ 55
„ Priyagopal Chatterjee, B.A. ...	50-5-75 ...	„ 50
„ Jivandhan Chakravarti ...	40-4-60 ...	„ 60
„ Dhirendranath Basu ...	40-4-60 ...	„ 48
„ Ramsaran Kundu ...	40-4-60 ...	„ 44
„ Rajendralal Maitra ...	40-4-60 ...	„ 44
„ Rasbihari Chakrabarti ...	40-4-60 ...	„ 40
„ Sasankasekhar Ghosh ...	40-4-60 ...	„ 40
„ Atulyaratan Datta ...	40-4-60 ...	„ 40
„ Jagannathdeb Ray ...	40-4-60 ...	„ 40
„ Prabhaschandra Pal ...	40-4-60 ...	„ 40
„ Ramkumar Biswas ...	... ...	„ 25

**RESOLVED ALSO—**

That an additional bearer for the Lending Library be sanctioned on Rs. 12 per month.

The Secretary enquired as to how the Government of India grant of Rs. 15,000 for University Lecturers should be applied in payment of honorarium during the session 1919-20.

**RESOLVED—**

That the grant be applied as follows :—

The Hon'ble Dr. A. Suhrawardy ...	Rs. 200
Shams-ul-Ulama Vilayet Hossain ...	„ 100
Maulavi Abu Musa Ahmadul Haq ...	„ 100
Aga Kazim Shirazi ...	„ 100
Rev. A. B. Johnston ...	„ 100
Mr. Herambachandra Maitra ...	„ 250
Rev. J. C. Scrimgeour ...	„ 100
Mr. J. R. Banerjee ...	„ 100
Mahamahopadhyay Dr. Satishchandra Vidyabhushan ...	„ 200

and that the Government of India be moved to sanction the appointments of the gentlemen named as University Lecturers.

**RESOLVED—**

That the following estimate of expenditure of the year 1919-20 be forwarded to the Board of Accounts :—

Teaching Staff ... ..	Rs. 3,44,880
Pension Contribution .. ..	1,575
Scholarships ... ..	4,740
Secretary ... ..	7,200
Assistants .. ..	14,712
Duffries and Bearers ... ..	3,540
Contingencies and Stationery .. ..	3,000
Furniture ... ..	2,500
Proportion of Electric expenses .. ..	3,500
Books and Periodicals ... ..	12,000
Indian Vernacular Scheme ... ..	6,000
	<hr/>
	Rs. 4,03,647

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.**

FOR THE YEAR 1918-19.

**No. 22.**

(In Circulation).

THE 13TH JUNE, 1919.

Read a notification, dated the 5th May 1919, by the Officiating Director of Public Instruction, Bengal, granting leave without allowance for 2 years to Pandit Dhireschandra Acharyya, M.A. in continuation of the leave previously granted to him (Pandit Dhireschandra Acharyya was Librarian of the Sanskrit College, Calcutta and is now acting as a University Lecturer in Sanskrit).

**ORDERED—**

To be recorded.

Read a letter from Prof. Taraporewala, Joint Editor of Typical Selections in Gujrati, requesting that a suitable sum may be granted to him to enable him to undertake a journey to Ahmedabad for the purpose of collecting on the spot, material for insertion in the work and in consultation with his colleague, Prof. Dhruva.

**RESOLVED—**

That a sum of Rs. 200 be placed at the disposal of Prof. Taraporewala for the purpose named out of the budget-grant for Indian Vernaculars for 1919-20.

Read a memo. from the Officiating Director of Public Instruction, Bengal, forwarding copy of his letter No. - <sup>429</sup>14/10a-19, dated the 9th June, 1919, addressed to the Government of Bengal, recommending the employment, as University Lecturers during the session 1919-20, of Professors in Government Colleges other than those of Presidency College.

**ORDERED—**

To be recorded.

Read a memo. from the Officiating Director of Public Instruction, Bengal, forwarding copy of his letter No. <sup>447</sup> 108-14-a-19, dated the 12th June, 1919, addressed to the Government of Bengal, recommending that the loan of the services of Babu Bipinbihari Sen, M.A. for employment as University Lecturer in History for a further period of 5 years. with effect from the 2nd July 1919, may be sanctioned.

**ORDERED—**

To be recorded.

The Secretary reported that Babu Krishnabihari Raychaudhuri, M.A., who was appointed a temporary Assistant in his Office up to the 17th April 1919 (Executive Committee, dated the 20th March 1919), was retained in that capacity up to the end of May 1919.

**RESOLVED—**

That the action taken be approved.

The Secretary submitted the following bills for payment for books supplied to the Post-Graduate Library :—

	Rs.	A.	P.
(i) The Gresham Publishing Company (books for the Department of History) ...	93	14	0
(ii) The Curator, Government Oriental Library, Mysore (books for the Department of Ancient Indian History and Culture).	151	8	0
(iii) Mr. Chandradhar Guleni, Rajputana Museum, Ajmere (for the Sanskrit Dept.)	26	0	0
(iv) Mr. Appaji Rao (Kanarese books for the Indian Vernaculars Department).	190	0	0
(v) Messrs R. Cambray & Co. (books for the Departments of English, Sanskrit, Pali, Comparative Philology, Arabic and Persian, History, Pure Mathematics, Philosophy and Experimental Psychology.)	5773	1	0

**RESOLVED—**

That the bills be paid.

**RESOLVED ALSO—**

That the Secretary be authorised to sell to University students and Lecturers not more than 40 copies of Mr. Shama-sastry's Arthashastra of Kautilya at cost price viz : Rs. 3-4 per copy and the sum realised be credited to the Post-Graduate Fund.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1919-20.

**No. 1.**

THE 5TH JULY, 1919.

*Present :*

The Hon'ble Sir Asutosh Mookerjee, Kt, C.S.I., M.A., D.L., D.Sc., Ph.D.  
*President, in the Chair.*

Rev. Dr. G. Howells, M.A., Ph.D., B.Litt., B.D.	Babu Niranjanprasad Chakrabarti, M.A.
Rai A. C. Bose, Bahadur, M.A.	„ Prabhatchandra Chakrabarti, M.A.
G. C. Bose, Esq., M.A.	„ Surendranath Majumdar, M.A.
Babu Jaygopal Banerjee, M.A.	„ Debendranath Ray, M.A.
„ Srikumar Banerjee, M.A.	Pandit Sakalnarayan Sarma
„ Mohinimohan Bhattacharyya, M.A.	Vedantabhisarad, N. S. Annantakrishna Sastri.
„ Nalinimohan Chatterjee, M.A.	Babu Asutosh Sastri, M.A.
„ Sunitikumar Chatterjee, M.A.	Mahamahopadhyay Lakshman Sastri.
„ Rabindramohan Datta, M.A.	Pandit Sitaram Sastri.
„ Susilkumar De, M.A.	„ Haragobind Set.
„ Praphullachandra Ghosh, M.A.	Mahamahopadhyay Pramathanath Tarakabhushan.
„ Bajanikanta Guha, M.A.	Pandit Krishnacharan Tarkalankar.
Mr. J. W. Holme, M.A.	„ Rajendranath Vidyabhushan.
Babu Bijaygopal Mookerjee, M.A.	Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.
Dr. Harendracoomar Mookerjee, M.A., Ph.D.	Khan Bahadur Maulavi Muhammad Ibrahim, B.A.
Babu Saileswar Sen, M.A.	Ag. Muhammad Kazim Shirazi.
Prof. H. Stephen, M.A., D.D.	Babu Sailendranath Mitra, M.A.
Babu Dhireschandra Acharyya, M.A.	Dr. Benimadhab Barua, M.A., D.Litt.
„ Muralidhar Banerjee, M.A.	Babu Nalinaksha Datta, M.A.
„ Radhagobinda Basak, J.M.A.	Mr. R. Kimura.
Prof. D. R. Bhandarkar, M.A.	
Babu Pasupatinath Bhattacharyya, M.A.	



Bajaguru Bhagabanchandra Mahas- thavir.	Mr. J. C. Kydd, M.A.
Samana Pannananda.	Babu Panchanandas Mookerjee, M.A.
Samana Rambnkwelle Siddhartha,	„ Radhakamal Mookerjee, M.A.
Sastravisarad Vinayacharyya.	„ Jitendraprasad Niyogi, M.A.
Bhikhu Kukulnape Dravarakshita.	„ Satishchandra Ray, M.A.
Mr. J. R. Banerjee, M.A.	„ Krishnabinod Saha, M.A.
Babu Haridas Bhattacharyya, M.A.	Mr. A. C. Sengupta, M.A.
„ Krishnachandra Bhattacharyya, M.A.	Babu Jogishchandra Sinha, M.A.
Rev. G. Ewan, M.A.	Mr. Surendramohan Sanyal, M.A.
Dr. Hiralal Halder, M.A., Ph.D.	Babu Ganrangnath Banerjee, M.A.
„ Ramdas Khan, M.A., Ph.D.	Mr. J. N. Dasgupta, B.A.
Babu Susilkumar Maitra, M.A.	Babu Bipinbihari Sen, M.A.
„ Ambikacharan Mitra, M.A.	„ Surendranath Sen, M.A.
Dr. Narendranath Sengupta, M.A., Ph.D.	„ Indubhushan Banerjee, M.A.
Rev. Dr. W. S. Urquhart, M.A., D.Phil	„ Nirmalchandra Chatterjee, M.A.
Babu Mannathanath Banerjee, M.Sc.	Mr. Y. J. Taraporewala, M.A.
Mr. B. C. Ghosh, M.A., M.B.	Mr. P. Gangooly, M.A.
Babu Girindrusekhar Bose, M.Sc., M.B	Dr. Rameshchandra Majumdar, M.A., Ph D.
„ Haripada Maiti, M.A.	Babu Panchanan Mitra, M.A.
„ Sasindrachandra Dhar, M.Sc.	„ Hemchandra Raychaudhuri, M.A.
„ Surendramohan Ganguli, M.Sc	Mr. Arun Sen, B.A.
„ Satishchandra Ghosh, M.A	Babu Narayanchandra Banerjee, M.A.
„ Manoranjan Gupta, M.A.	„ Haranchandra Chakladar, M.A.
„ Narendrakumar Majumdar, M.A.	„ Prabodhchandra Sengupta, M.A., B.T.
Dr. Pramathanath Banerjee, M.A., D.Sc.	Pandit Babuya Misra, Jyotishacharyya
Babu Pramathanath Banerjee, M.A.	Rai Saheb Dineshchandra Sen, B.A.
„ Satishchandra Chakrabarti, M.A.	Babu Charuchandra Banerjee, B.A.
„ Rohinimohan Chaudhuri, M.A.	„ Bijaychandra Majumdar, B.A.
„ Praphullachandra Ghosh, M.A., B.Sc.	

Professor J. N. Das Gupta proposed and Dr. P. N. Banerjee seconded that Sir Asutosh Mookerjee be elected President of the Council for the year 1919-20.

The motion was carried with acclamation.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan moved that the Proceedings of the Executive Committee, dated the 17th May, 1919, and the 13th June, 1919, be confirmed.

Rev. Dr. G. Howells seconded the motion which was put to the vote and carried.

The Council next proceeded to elect under Section 9(b) of Chapter XI of the Regulations three persons from amongst

the Members of the Council for appointment to the Board of Higher Studies in each of the following subjects :—

1. English.
2. Sanskrit.
3. Pali.
4. Comparative Philology.
5. Arabic and Persian.
6. Mental and Moral Philosophy.
7. Experimental Psychology.
8. History.
9. Political Economy and Political Philosophy.
10. Pure Mathematics.

The undermentioned gentlemen had been duly nominated for election to the different Boards under Section 42 of Chapter . XI of Regulations :—

(Arranged in alphabetical order).

(i) ENGLISH.

Mr. J. R. Banerjea.  
Rev. Dr. G. Howells.  
Sir Asutosh Mookerjee.  
Mr. S. Khuda Buksh.  
Dr. Brajendranath Seal.  
Dr. I. J. S. Taraporewala.

(ii) SANSKRIT.

Babu Sushilkumar De.  
Dr. Rameschandra Majumdar.  
Sir Asutosh Mookerjee, Kt.  
Dr. Brajendranath Seal.

(iii) PALI.

Babu Niranjauprasad Chakrabarti.  
Babu Sushilkumar De.  
Dr. Rameschandra Majumdar.  
Sir Asutosh Mookerjee.  
Dr. Brajendranath Seal.

(iv) COMPARATIVE PHILOLOGY.

Prof. D. R. Bhandarkar.  
Babu Praphullachandra Ghosh.  
Babu Surendranath Majumdar.  
Sir Asutosh Mookerjee.  
Dr. Brajendranath Seal.  
Dr. S. C. Vidyabhushan.

## (v) ARABIC AND PERSIAN.

Mr. A. H. Harley.  
 Sir Asutosh Mookerjee.  
 Mr. S. Khuda Buksh.

## (vi) MENTAL AND MORAL PHILOSOPHY.

Babu Manmathanath Banerjee.  
 Dr. B. Barua.  
 Dr. G. Howells.  
 Sir Asutosh Mookerjee.  
 Dr. H. Stephen.  
 Dr. S. C. Vidyabhushan.

## (vii) EXPERIMENTAL PSYCHOLOGY.

Dr. Hiralal Haldar.  
 Sir Asutosh Mookerjee.  
 Dr. H. Stephen.  
 Dr. S. C. Vidyabhushan.

## (viii) HISTORY.

Dr. Pramathanath Banerjee.  
 Babu Niranjanprasad Chakrabarti.  
 Babu Praphullachandra Ghosh.  
 Sir Asutosh Mookerjee.  
 Dr. S. C. Vidyabhushan.

## (ix) POLITICAL ECONOMY AND POLITICAL PHILOSOPHY.

Babu Haridas Bhattacharyya.  
 Mr. B. C. Majumdar.  
 Sir Asutosh Mookerjee.  
 Dr. Brajendranath Seal.  
 Mr. K. Zachariah.

## (x) PURE MATHEMATICS.

Rai Bahadur A. C. Bose.  
 Mr. P. Gangooly.  
 Sir Asutosh Mookerjee.  
 Dr. N. N. Sen Gupta.  
 Babu Prabodhechandra Sengupta.

The names of the undermentioned gentlemen were, at their request, withdrawn from the list of candidates in the subjects stated :—

Babu Sushilkumar De	...	Sanskrit and Pali.
Dr. S. C. Vidyabhushan	...	Experimental Psychology.
Babu Niranjanprasad Chakrabarti	...	History.
Babu Haridas Bhattacharyya	...	Economics.

Mr. B. C. Majumdar	...	Economics.
Dr. N. N. Sen Gupta	...	Pure Mathematics.
Babu Prabodhchandra Sengupta	...	Pure Mathematics.

The Council then proceeded to take ballots in the several subjects successively. But there was no ballot taken in Sanskrit, Arabic and Persian, Pure Mathematics, Experimental Psychology and Economics, as the number of gentlemen available for election in each of these subjects did not exceed the number of places to be filled up.

After all the ballot papers had been examined, the President declared that the undermentioned gentlemen had been elected members of the Board of Higher Studies in the several subjects named below :—

#### ENGLISH.

1. Sir Asutosh Mookerjee.
2. Dr. Brajendranath Seal.
3. Dr. George Howells.

#### SANSKRIT.

1. Sir Asutosh Mookerjee.
2. Dr. Brajendranath Seal.
3. Dr. Rameschandra Majumdar.

#### PAI.I.

1. Sir Asutosh Mookerjee.
2. Dr. Rameschandra Majumdar.
3. Babu Niranjanprasad Chakrabarti.

#### COMPARATIVE PHILOLOGY.

1. Sir Asutosh Mookerjee.
2. Babu Praphullachandra Ghosh.
3. Babu Surendranath Majumdar.

#### ARABIC AND PERSIAN.

1. Sir Asutosh Mookerjee.
2. Mr. A. H. Harley.
3. Mr. S. Khuda Buksh.

#### MENTAL AND MORAL PHILOSOPHY.

1. Sir Asutosh Mookerjee.
2. Dr. Henry Stephen.
3. M. M. Dr. Satishchandra Vidyabhushan.

#### HISTORY.

1. Sir Asutosh Mookerjee.
2. Dr. Pramathanath Banerjee.
3. Babu Praphullachandra Ghosh.

## EXPERIMENTAL PSYCHOLOGY.

1. Sir Asutosh Mookerjee.
2. Dr. Henry Stephen.
3. Dr. Hiralal Haldar.

## POLITICAL ECONOMY AND POLITICAL PHILOSOPHY.

1. Sir Asutosh Mookerjee.
2. Dr. Brajendranath Seal.
3. Mr. K. Zachariah.

## PURE MATHEMATICS.

1. Sir Asutosh Mookerjee.
2. Rai Bahadur A. C. Bose.
3. Babu Phanindralal Gangooly.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1919-20.

## No. 1.

THE 22ND JULY, 1919.

### *Present :*

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

The Hon'ble Sir Devaprasad Sarva-  
dhikary, Kt., C.I.E., M.A., LL.D.

Rev. Dr. G. Howells, M.A., Ph.D.,  
B. Litt., B.D.

Rai A. C. Bose, Bahadur, M.A.

Professor H. Stephen, M.A., D.D.

Mr. Praphullachandra Ghosh, M.A.

M. M. Dr. Satishchandra Vidyalbhusan,  
M.A., Ph.D.

Pandit Muralydhar Banerjee, M.A.

Dr. I. J. S. Taraporewala, B.A., Ph.D.

Rai Saheb Dineschandra Sen, B.A.

The Hon'ble Dr. A. Subrawardy, M.A.,  
Ph.D.

Khan Bahadur Maulavi Muhammad  
Ibrahim, B.A.

Mr. Girindrasekhar Bose, M.Sc., M.B.

Professor D. R. Bhandarkar, M.A.

Mr. Bipinbihari Sen, M.A.

Mr. Satishchandra Ray, M.A.

Dr. Pramathanath Banerjee, M.A.,  
D.Sc.

Dr. Syamadas Mukherjee, M.A., Ph.D.

Read the Proceedings of a meeting of the Staff in English,  
dated the 5th July, 1919.

ORDERED—

To be recorded.

Read the Proceedings of a meeting of the Staff in Sanskrit  
and Pali, dated the 5th July, 1919.

ORDERED—

To be recorded.

Read the Proceedings of a meeting of the Staff in Indian  
Vernaculars and Comparative Philology, dated the 5th July,  
1919.

ORDERED—

To be recorded.

Read the Proceedings of a meeting of the Staff in Arabic and Persian, dated the 5th July, 1919.

ORDERED—

To be recorded.

Read the Proceedings of a meeting of the Staff in Philosophy and Experimental Psychology, dated the 5th July, 1919.

ORDERED—

To be recorded.

Read the Proceedings of a meeting of the Staff in History, dated the 5th July, 1919.

ORDERED—

To be recorded.

Read the Proceedings of a meeting of the Staff in Political Economy and Political Philosophy, dated the 5th July, 1919.

ORDERED—

To be recorded.

Read the Proceedings of a meeting of the Staff in Pure Mathematics, dated the 5th July, 1919.

ORDERED—

To be recorded.

The Secretary reported that the Executive Committee of the Council of Post-Graduate Teaching in Arts for the year 1919-20 had been constituted as follows :—

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D., *President*.

The Hon'ble Sir Devaprasad Sarvadhikary, Kt., C.I.E., M.A., LL.D.

Rev. Dr. G. Howells, M.A., Ph.D., B.Litt., B.D.

Rai A. C. Bose, Bahadur, M.A.

Professor H. Stephen, M.A., D.D.

Mr. Praphullachandra Ghosh, M.A.

M. M. Dr. Satischandra Vidyabhushan, M.A., Ph.D.

Pandit Muralydhar Banerjee, M.A.

Dr. I. J. S. Taraporewala, B.A., Ph.D.

Rai Saheb Dineschandra Sen, B.A.

The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.

Khan Bahadur Maulavi Muhammad Ibrahim, B.A.

Professor Brajendranath Seal, M.A., Ph.D.

Mr. Girindrasekhar Bose, M.Sc., M.B.

Professor D. R. Bhandarkar, M.A.

Mr. Bipinbihari Sen, M.A.

Mr. Satischandra Ray, M.A.

Dr. Pramathanath Banerjee, M.A., D.Sc.

Professor C. E. Cullis, M.A., Ph.D.  
Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following Proceedings of the Board of Higher Studies in Pure Mathematics, dated the 23rd June, 1919:—

“The Board met to settle the time-table of Sixth-year Class for the year 1919-20.

**RESOLVED—**

That for the present the lectures be continued; to the Sixth-year students on the basis of the time-table in force in the Fifth-year Class in April, 1919.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in English, dated the 12th July, 1919:—

“The Hon’ble Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

The Secretary reported—

(i) that Rev. A. B. Johnston had expressed his inability to act as University Lecturer, as he was about to proceed on furlough;

(ii) that Babu Susilkumar De would not be able to act as Lecturer, as he was about to proceed to England to study in the University of London;

(iii) that Babu Sunitikumar Chatterjee was about to proceed to England, as he had been awarded a Government of India Scholarship;

(iv) that Prof. R. S. Knox had tendered his resignation.

**RESOLVED—**

That the Board recommend that the undermentioned gentlemen be appointed University Lecturers for a term of two years on the salaries mentioned:

- |   |     |                  |
|---|-----|------------------|
| (1) Mr. Apurbakumar Chanda, B.A.<br>(Oxon.)                       | ... | Rs. 300 a month. |
| (2) Babu Suhaschandra Ray, M.A. (1917<br>and 1918), Gold Medalist | ... | Rs. 200 a month. |

**RESOLVED FURTHER—**

That the distribution of work made on the 10th April, 1919 be modified as follows:

### 5th-year Class.

#### PAPER I.

Mr. J. C. Ghosh.	(Pre-Eliz).
Mr. K. B. Ray.	(1625-1780).



## PAPER II.

Dr. H. C. Mookerjee (Calderon, after finishing Milton).  
Mr. J. W. Holme (King Lear).

## PAPER III.

Mr. M. Ghosh (Swinburne).  
Dr. H. C. Mookerjee (Paradise Regained).

## PAPER IV.

Mr. H. C. Maitra (Arnold).  
Mr. R. Guha (Plato).

## GROUP A.

## PAPER V.

Mr. A. K. Chanda (History  
of English Language).  
Mr. P. C. Ghosh (Chaucer).

## PAPER VI

Mr. H. C. Maitra.  
Mr. J. G. Banerjee.  
Mr. S. C. Ray.

## PAPER VII.

Dr. H. Stephen.  
Mr. S. Sen.

## GROUP B.

## PAPER V.

Mr. A. K. Chanda.

## PAPER VI.

Mr. N. Chatterjee.

## PAPER VII.

Mr. N. Chatterjee.

## 6th-year Class.

## PAPER I.

Mr. B. G. Mookerjee (Eliz. and Post Eliz.).  
„ R. Datta (Pre-Eliz.)

## PAPER II.

Rev. J. C. Scrimgeour (Coriolanus).  
Mr. J. W. Holme (Philaster).

## PAPER III.

Mr. M. Ghosh (Swinburne).  
„ J. W. Holme (Spenser, after finishing Philaster).  
Dr. H. C. Mookerjee (Paradise Regained).  
Mr. M. M. Bhattacharyya (General lectures on Spenser).

## PAPER IV.

Mr. H. C. Maitra (Arnold).  
„ R. Guha (Milton).  
„ M. Bhattacharyya (Bacon).

## GROUP A.

## PAPER V.

Mr. P. C. Ghosh (Chaucer).  
 „ A. K. Chanda (History of  
 English Language).

## PAPER VI.

Mr. H. C. Maitra.  
 „ J. G. Banerjee.  
 „ S. K. Banerjee.

## PAPER VII.

Dr. H. Stephen.  
 Mr. S. Sen.

## GROUP B.

## PAPER V.

Mr. A. K. Chanda.

## PAPER VI.

Mr. N. Chattrejee.

## PAPER VII.

Mr. N. Chatterjee.

*Lecture Work.*

Names.	V.	VI.
Dr. H. C. Mookerjee ...	3	3
Mr. J. G. Banerjee ...	3	6
„ A. K. Chanda ...	4	4
„ S. Sen ...	3	3
„ J. C. Ghosh ...	3	..
„ K. B. Ray ...	3	...
„ R. Datta ...	...	3
„ M. Bhattacharyya ...	...	3
Dr. H. Stephen ...	3	3
Mr. N. Chatterjee ...	2	2
Rev. J. C. Seringgeour... ..	...	3
Mr. B. G. Mookerjee ...	...	3
„ H. C. Maitra ...	3	2
„ R. K. Guha ..	...	3
„ M. Ghosh ...	3	3
„ J. W. Holme ...	3	3
„ P. C. Ghosh ...	3	3
„ S. K. Banerjee ...	...	3
„ S. C. Ray ...	3	...

*Tutorial Work.*

Names.	Batches
Mr. J. G. Banerjee ...	1
„ A. K. Chanda ...	2
„ S. Sen ...	3
„ J. C. Ghosh ...	3
„ K. B. Ray ...	3
„ R. M. Datta ...	3
„ M. Bhattacharyya ...	3

Names.	Batches.
Dr. H. Stephen	2
Mr. N. Chatterjee	3
,, M. Ghosh	2
,, J. W. Holme	2
,, S. C. Ray	3

**RESOLVED ALSO—**

That the draft time-table be circulated to the members for consideration.

**RESOLVED—**

That Prof. H. Stephen be requested to arrange for the holding of discussion classes in connection with tutorial work and to act as Chairman when the classes are held or to nominate some member of the staff to take his place in his absence."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Pali, dated the 12th July, 1919:—

"The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

**RESOLVED—**

That the distribution of work made on the 10th April, 1919 be modified as follows:—

**PAPER I.**

Babu Sailendranath Mitra.

Samana Punnananda.

**PAPER II.**

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.

Rev. Siddhartha.

**PAPER III.**

Rev. Siddhartha.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.

**PAPER IV.**

Dr. Benimadhab Barua.

Babu Nalinaksha Datta.

**GROUP A.****PAPER V.**

Samana Punnananda.

Babu Nalinaksha Datta.

**PAPER VI.**

Babu Sailendranath Mitra.

Samana Punnananda.

PAPER VII.

Prof. D. R. Bhandarkar.  
Babu Radhagobinda Basak.

GROUP B.

PAPER V.

Dr. Benimadhab Barua.  
Rev. Debrakshita.

PAPER VI.

Dr. Benimadhab Barua.  
Rajaguru Bhagabanchandra Mahastabir.

PAPER VII.

Dr. Benimadhab Barua.  
Samana Punnananda.  
Rev. Debarakshita.

GROUP C.

PAPER V.

Babu Sailendranath Mitra.  
„ Nalinaksha Datta.  
Rev. Siddhartha.

PAPER VI.

Prof. D. R. Bhandarkar.  
Babu Radhagobinda Basak.

PAPER VII.

Babu Radhagobinda Basak.  
Prof. D. R. Bhandarkar.

PAPER VIII.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.  
Babu Surendranath Majumdar.

GROUP D.

PAPER V.

Babu Surendranath Majumdar.  
Mr. J. Masuda.  
Babu Nalinaksha Datta.

PAPER VI.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.  
Dr. B. Barua.  
Mr. R. Kimura.

## PAPER VII.

Mahamahopadhyay Dr. Satischandra Vidyabhushan.  
Dr. B. Barua.

## PAPER VIII.

Babu Radhagobinda Basak."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Sanskrit, dated the 12th July, 1919 :—

"The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

The Secretary reported that Babu Bidhubhushan Goswami had not yet been able to join his appointment on account of indisposition.

## RESOLVED—

That in the time-table to be drawn up, the work intended to be assigned to Rai Saheb Bidhubhushan Goswami be temporarily allocated to other members of the staff.

## RESOLVED ALSO—

That Babu Satkari Mookerjee, M. A., (Gold Medalist 1918), be appointed an Assistant in the department for a term of two years on a salary of Rs. 100 a month.

## RESOLVED FURTHER—

That the distribution of work made on the 10th April, 1919, be modified as follows :

## 5th and 6th year-Classes.

## COMPULSORY PAPERS.

## PAPER I.

Pandit Sitaram Sastri.

„ Pasupati Sastri.

## PAPER II.

Pandit Sakalnarayan Sarma.

„ Prabhatchandra Chakrabarti.

## PAPER III.

Prof. Taraporewala.

Pandit Prabhatchandra Chakrabarti.

## PAPER IV.

Mahamahopadhyay Dr. Satischandra Vidyabhushan.

Pandit Muralydhara Banerjee.

## GROUP A.

## PAPER V.

Pandit Asutosh Sastri.

Rai Saheb Bidhubhushan Goswami.

## PAPER VI.

Pandit Rajendranath Vidyabhushan.

Rai Saheb Bidhubhushan Goswami.

## PAPER VII.

Pandit Asutosh Sastri.

Babu Debendranath Ray.

## PAPER VIII.

Mahamahopadhyay Pramathanath Tarkabhushan.

Pandit Rajendranath Vidyabhushan.

## GROUP B.

## PAPER V.

Pandit Sitaram Sastri.

„ Prabhatchandra Chakrabarti.

## PAPER VI.

Pandit Sitaram Sastri.

„ Pasupati Sastri.

## PAPER VII.

Pandit Kokileswar Bhattacharyya.

## PAPER VIII.

Pandit Krishnacharan Tarkalankar.

## GROUP C.

## PAPER V.

Pandit Anantakrishna Sastri.

„ Pasupati Sastri.

## PAPER VI.

Pandit Anantakrishna Sastri.

„ Pasupati Sastr

## PAPER VII.

Pandit Krishnacharan Tarkalankar.

## PAPER VIII.

Pandit Krishnacharan Tarkalankar

„ Pasupati Sastri.

**GROUP D.****PAPER V.**

**Mahamahopadhyay Laksman Sastri.**  
**Pandit Dhireschandra Acharyya.**

**PAPER VI.**

**Mahamahopadhyay Laksman Sastri.**

**PAPER VII.**

**Pandit Anantakrishna Sastri.**  
**Mahamahopadhyay Pramathanath Tarkabhushan.**

**PAPER VIII.**

**Pandit Kokileswar Bhattacharyya.**

**GROUP E.****PAPER V.**

**Pandit Dhireschandra Acharyya.**  
**„ Debendranath Ray.**

**PAPER VI.**

**Pandit Dhireschandra Acharyya.**  
**„ Debendranath Ray.**

**PAPER VII.**

**Pandit Sitaram Sastri.**

**PAPER VIII.**

**Mahamahopadhyay Laksman Sastri.**

**GROUP G.****PAPER V.**

**Pandit Dhireschandra Acharyya.**

**PAPER VI.**

**Mahamahopadhyay Laksman Sastri.**

**PAPER VII.**

**Mahamahopadhyay Pramathanath Tarkabhushan.**  
**Pandit Kokileswar Bhattacharyya.**

**PAPER VIII.**

**Pandit Anantakrishna Sastri.**  
**„ Kokileswar Bhattacharyya.**

**GROUP H.****PAPER V.**

**Pandit Hargovinda Das Sheth.**

## PAPER VI.

Pandit Muralydhar Banerjee.

## PAPER VII.

Pandit Hargovinda Das Sheth.

„ Muralydhar Banerjee.

## PAPER VIII.

Pandit Hargovinda Das Sheth.

„ Muralydhar Banerjee.

## GROUP I.

## PAPER V.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.

Pandit Niranjana Chakrabarti.

## PAPER VI.

Professor D. R. Bhandarkar.

Pandit Surendranath Majumdar.

„ Radhagobinda Basak.

## PAPER VII.

Pandit Radhagobinda Basak.

„ Niranjana Prasad Chakrabarti.

## PAPER VIII.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan.

Pandit Surendranath Majumdar.”

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Arabic and Persian, dated the 12th July, 1919 :—

“The Hon’ble Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

## RESOLVED—

That the distribution of work in Persian made on the 10th April, 1919, be modified as follows :—

## PERSIAN.

Khan Bahadur Maulavi Muhammad

Ibrahim

...

...

Tazkira of Dawlat Shah.

Tazkira of Aufi.

Mantiq-ut Tair of Attar.

Kimiya-i-Saadat.



Aga Muhammad Kazim Shirazi

The Dewan of Nasir-i  
Khusraw.  
The Quasaid of Zahir  
Faryabi.  
Durra-i-Nadira.  
Rhetoric and Prosody.  
Philology.  
Mahomedan History.  
History of Persian  
Literature.  
Hadiqa-i-Sanai.  
Prose selections in  
Arabic prescribed for  
the B.A. Pass Course.

The Hon'ble Dr. A. Suhrawardy

**RESOLVED FURTHER—**

That the work in the under-graduate classes be distributed as follows :

**PERSIAN.**

**I.A. CLASSES.**

Khan Bahadur Maulavi Muhammad Ibrahim	Prose.
Aga Kazim Shirazi	Poetry.

**B.A. CLASSES.**

*(Pass and Honours.)*

Khan Bahadur Maulavi Muhammad Ibrahim	Poetry.
Aga Kazim Shirazi	Prose.

**ARABIC.**

**I.A. CLASSES.**

Maulavi Abu Musa Ahmadul Haque	... First Half.
Shams-ul-Ulama Md. Yusoof Jafri	... Second Half.

**B.A. CLASSES.**

*Pass.*

Maulavi Abu Musa Ahmadul Haque	... First Part.
Shams-ul-Ulama Md. Yusoof Jafri	... Second Part.

*Honours.*

Maulavi Abu Musa Ahmadul Haque	... Poetry.
Shams-ul-Ulama Md. Yusoof Jafri	... Prose."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 12th July, 1919 :—

"The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

The Secretary reported that Mr. Zachariah had expressed his inability to act as University Lecturer as he had been appointed to officiate as Principal of the Krishnagar College.

**RESOLVED—**

That the fact be intimated to the Registrar for necessary action by the Accounts Department.

The Secretary reported that no remuneration had been fixed for Rao Bahadur B.A. Gupte who had been requested to give instruction in Ethnology in the Ancient Indian History and Culture course.

**RESOLVED—**

That an honorarium of Rs. 1,200 for the session 1919-20 be offered to Mr. Gupte.

**RESOLVED—**

That Babu Nalinaksha Datta, M.A., University Lecturer in Pali be appointed a Lecturer in the department of Ancient Indian History and be associated with Dr. Barua in delivering lectures on Buddhism.

**RESOLVED ALSO—**

That the distribution of work made on the 10th April, 1919 be modified as follows :

**5th-year Class.**

**PAPER I (England).**

Mr. B. B. Sen.

**PAPER II (Ancient India).**

Dr. R. C. Majumdar.

**PAPER III (Ancient East).**

Mr. G. N. Banerjee.

**PAPER IV (Constitutional History).**

Mr. J. N. Das Gupta. (Pre-Tudor Period).

**PAPER V (International Law).**

Mr. A. C. Dutt.

**PAPER VI-VII.**

(a) Islam—Mr. S. Khuda Buksh (Outside India).

Dr. A. Suhrawardy (In India).

(b) Comp. Politics—Mr. B. B. Sen (Ancient).

„ P. N. Banerjee (Modern).

„ N. Chatterjee (Mediæval).



proposed to assign to each member of the staff one or more of these batches according to the following plan :—

Name.	Number of batches.
Mr. G. N. Banerjee	2
„ I. B. Banerjee	3
„ N. Banerjee	2
„ P. N. Banerjee	2
„ N. Chatterjee	3
„ A. C. Dutt	1
Dr. R. C. Majumdar	2
Mr. H. C. Raychaudhuri	1
„ Arun Sen	1
„ B. B. Sen	1
„ S. Sen	3
„ Y. J. Taraporewala	3
	<hr/> 24

#### SPECIAL COURSE.

*Ancient Indian History and Culture.*

#### 5th-year Class.

Compulsory Paper.

#### PAPER I.

Mr. S. N. Majumdar.

#### PAPER II.

Mr. H. C. Raychaudhuri.

Special Groups.

#### I. *Archæology*—

#### PAPER V.

Prof. D. R. Bhandarkar.

Mr. R. G. Basak.

#### PAPER VII.

Prof. D. R. Bhandarkar.

#### II. *Social and Constitutional History*—

#### PAPER VI.

Mr. N. C. Banerjee.

#### PAPER VIII.

Mr. H. C. Chakladar.

„ B. C. Majumdar.

*III. Religious History—***PAPER VI.**

Mr. D. C. Acharyya.

**PAPER VIII.**

Dr. B. Barua.

*IV. Astronomy and Mathematics—***PAPERS V-VIII.**

Mr. P. Gangooly.

„ N. K. Majumdar.

„ P. C. Sen Gupta.

Pandit Babuya Misra.

**6th-year Class.***Compulsory Papers.***PAPER I.**

Mr. S. N. Majumdar.

**PAPER III.**

Mr. H. C. Raychaudhuri.

**SPECIAL GROUPS.***I. Archaeology—***PAPER V.**

Prof. D. R. Bhandarkar.

Mr. R. G. Basak.

**PAPER VI.**

Mr. A. Sen.

„ J. N. Banerjee.

**PAPER VII.**

Prof. D. R. Bhandarkar.

**PAPER VIII.**

Mr. A. Sen.

*II. Social and Constitutional History—***PAPER VI.**

Mr. N. C. Banerjee.

**PAPER VIII.**

Mr. H. C. Chakladar.

„ B. C. Majumdar.

„ B. A. Gupte.

### III. Religious History—

#### PAPER VI.

Mr. D. C. Acharyya.

#### PAPER VII.

Dr. Barua.

Mr. R. Kimura.

„ J. Masuda.

„ Nalinaksha Datta.

#### PAPER VIII.

Dr. Barua.

### IV. Astronomy and Mathematics—

#### PAPERS V-VIII.

Mr. P. Gangooly.

„ N. K. Majumdar.

„ P. C. Sengupta.

Pandit Babuya Misra.

#### RESOLVED—

That with a view to promote the study of pre-historic Archæology with special reference to India, the following alternative course be prescribed in the Archæology group in the Ancient Indian History and Culture course and the work of instruction be entrusted to Babu Panchanan Mitra, M.A.

### ARCHÆOLOGY.

#### (Alternative Course.)

#### PAPER V.

- |                        |  |
|------------------------|--|
| D. R. Bhandarkar ...   | Carmichael Lectures (Second Series.)   |
| Adolpha Reinach ...    | Apropos de l'origine de l'alphabet<br>(Revue Epigraphique, janvier-mars<br>1914, pp. 134-155). |
| Dr. Flinders Petrie... | The Formation of the Alphabet.   |
| Wilke ...              | Südwest Europäische Megalithkultur<br>und ihre Beziehungen zum Orient<br>(pp. 55-65.)          |

The Journal of the Hyderabad Archæological Society, 1917,  
pp. 55-79.

The Indian Antiquary, May, 1919.

## PAPER VI.

- E. A. Parkyn ... Prehistoric Art.  
 T. Wilson ... Arrowpoints, Spearheads and Knives of Prehistoric Times (Washington, 1899).  
 Avebury ... Prehistoric Times (7th edition, 1913, Williams and Norgate).  
 W. J. Sollas ... Ancient Hunters and their Modern Representatives (Macmillan, 2nd edition).  
 Logan ... Old Chipped Stones of India (Thacker Spink & Co., 1906).  
 R. Bruce-Foote ... The Foote collection of Indian Prehistoric and Protohistoric Antiquities—Notes on their Ages and Distribution (Madras Govt. Press, 1916).  
 J. Coggin-Brown ... Catalogue raisonné of the Prehistoric Antiquities in the Indian Museum (Simla Govt. Press, 1917).  
 A. Rea ... Catalogue of the Prehistoric Antiquities from Adichanallur and Perumbair (Madras Govt. Press, 1915).  
 Journal of the Behar and Orissa Research Society (September, 1918).

## PAPER VII.

- Bruce-Foote . Notes on Ages and Distribution, p. 125.  
 Coggin-Brown . Catalogue raisonné, p. 144.  
 Rapson . Indian Coins.  
 " . Journal Royal Asiatic Society, 1895.  
 E. Thomas . Ancient Indian Weights.  
 T. W. Rhys Davids. On the Ancient Coins and Measures of Ceylon.  
 Sir Walter Eliot . Coins of Southern India (1886), pp. 45-63.  
 W. Ridgeway .. The Origin of Metallic Currency and Weight Standards, 1892.  
 H. C. Millies . Recherches sur les Monnaies des Indigènes de l' Archipel Indien et de la Péninsule Malaie (1871).  
 A. C. Haddon .. Evolution in Art (Chapter on Wealth).

## PAPER VIII.

T. Eric Peet	..	Rough Stone Monuments and their Builders (Harper, 1912).
Fergusson	...	Rude Stone Monuments in all Countries (London, 1872).
Montelius	...	Orient and Europa (1909).
Congreve	...	Madras Journal of Literature and Science (1847).
Yule	...	Proceedings of the Society of Antiquaries, Scotland, Vol. I.
Taylor	...	Transactions of the Royal Irish Academy, Vol. XXIV.
Walhouse	...	Journal of the Anthropological Institute (1877, August).
Babington	...	Transactions, Literary Society of Bombay (1823).

Reports of the Archaeological Survey Madras (1902-17)."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Economics, dated the 12th July, 1919 :—

"The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

The Secretary reported that Babu Durgagati Chatteraj, M.A., had resigned his appointment as University Lecturer.

## RESOLVED—

That Babu Mohitkumar Ghosh, M.A. (Gold Medalist, 1918), be appointed an Assistant in the department for a term of two years on a salary of Rs. 200 a month.

## RESOLVED ALSO—

That the distribution of work made on the 10th April, 1919, be modified as follows :—

## Fifth-year Class.

## PAPERS I-II.

(General Economics.)

Mr. J. C. Coyajee.

Mr. R. M. Chaudhuri.

## PAPER III.

(Principles of Political Philosophy.)

Mr. S. C. Ray.

Dr. P. N. Banerjee.



## PAPER V.

*(Public Administration.)*

Mr. S. C. Ray.  
 „ J. P. Niyogi.  
 Dr. P. N. Banerjea.

**Sixth-year Class.**

## GROUP A.

## PAPER V.

*(History of Economics.)*

Mr. A. C. Sengupta.  
 „ J. C. Sinha.

## PAPERS VI-VII.

*(i) Banking and Currency.*

Mr. J. C. Kydd.  
 „ B. K. Sarkar.  
 „ R. C. Rao.

*(ii) International Trade.*

Mr. J. C. Coyajee.  
 „ K. B. Saha.

*(iii) Statistics and Demography.*

Mr. S. M. Sanyal.

*(iv) Mathematical Economics.*

Mr. P. C. Ghosh.  
 „ S. M. Sanyal.

## GROUP B.

## PAPER V.

*(History of Political Philosophy.)*

Dr. P. N. Banerjea (Ancient).  
 Mr. P. D. Mukherjee (Modern and Mediæval).

## PAPERS VI-VII.

*(i) Comparative Politics.*

Mr. B. B. Sen (Ancient).  
 „ P. N. Banerjee (Modern).  
 „ Nirmalchandra Chatterjee.

*(ii) Sociology.*

Mr. R. K. Mukherjee.  
 „ S. C. Chakrabarti.

(iii) *International Law.*

Mr. S. C. Chakrabarti.

„ P. D. Mukherjee.

## PAPER VIII.

*Essay.*

(a) Famines	...	Dr. P. N. Banerjee.
(b) Co-operation	..	Mr. P. D. Mukherjee.
(c) Railways	...	Mr. S. C. Ray.
(d) Industrial Organisation	...	Mr. R. M. Chaudhuri.
(e) Currency Problems	..	Mr. Ramchandra Rao.
(f) Land Systems	..	Mr. S. C. Ray.

The total number of students in the 5th-year and 6th-year Classes is not likely to exceed 120. These will be divided into 12 batches of 10 each. To each member of the staff will be assigned one of these batches according to the following plan, so that each such batch will be in charge of a particular teacher throughout the year, as far as practicable, (A) group students may be taken by 1-8, and (B) group students by 9-12 :—

(1) Mr. R. M. Chaudhuri	(7) Mr. R. C. Rao.
(2) Mr. P. C. Ghosh	(8) Mr. S. M. Sanyal.
(3) Mr. J. P. Niyogi	... (9) Dr. P. N. Banerjee.
(4) Mr. K. B. Saha	.. (10) Mr. S. C. Chakrabarti.
(5) Mr. B. K. Sarkar	.. (11) Mr. D. G. Chattoraj.
(6) Mr. J. C. Sinha	... (12) Mr. R. K. Mukherjee.

Each student will be expected to write on an average one short essay in two weeks on a prescribed subject, after he had an opportunity to study it in accordance with a course of reading indicated by his teacher. These will be corrected at home by the teacher, who will then meet the students in small groups, to question them on points which arise on the exercises and on cognate topics. A long list of subjects for essays with brief hints for reading, will be drawn up in the beginning of the session by all the members of the staff in consultation with each other."

**RESOLVED—**

That the Proceedings be confirmed.

The Secretary enquired the date from which the gentlemen appointed as University Lecturers, Tutors, and Assistants for the session 1919-20 were to be paid.

**RESOLVED—**

That payment be made with effect from 1st June, 1919.

Read a letter from Babu Sushilkumar De, M.A., University Lecturer in English, applying for leave with effect from the 8th July, 1919, for the period during which he shall be away from India with a view to study in the University of London; requesting further that his salary for one week from the 1st July to 7th July (both days inclusive) may be paid in advance as he will be leaving for England on the 17th instant.

RESOLVED—

That the application be granted.

Read a Memo. from Rao Bahadur B. A. Gupte, University Lecturer in History, forwarding copy of a letter from His Highness Maharaja Holkar, G.C.I.E., of Indore, granting a donation of Rs. 3,000 for compiling a volume of Typical Selections in Marathi Language for the Post-Graduate Department of the Calcutta University under his Highness' patronage.

RESOLVED—

(1) That Rao Bahadur, B.A. Gupte be thanked for his successful effort to obtain funds for the publication in question.

(2) That the thanks of the University be conveyed to H. H. the Maharaja Holkar for his generous gift and that when the volume of Typical Selections in Marathi is published, his liberality be suitably acknowledged on the title page.

Read a letter from the Private Secretary to His Excellency the Governor of Bengal, forwarding letter No. 674, dated the 21st June, 1919, from the Secretary to the Government of India, Educational Department, conveying the sanction of the Government to the appointment of the following gentlemen as University Lecturers during the year 1919-20 :—

The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.

Shams-ul-Ulma Vilayet Hossain.

Maulavi Abu Musa Ahmadul Haq.

Aga Mahomed Kazim Shirazi.

Rev. A. B. Johnston, B.A.

Mr. Herambachandra Maitra, M.A.

Rev. J. C. Scrimgeour, M.A.

Mr. J. R. Banerjee, M.A.

Mahamahopadhyay Dr. Satischandra Vidyabhusan,  
M.A., Ph.D.

ORDERED—

To be recorded.

The Secretary reported that Babu Adhiswar Bhattacharyya, who after passing the B.Sc. Examination in 1914 with First Class Honours in Mathematics, took his admission in the Fifth-year M.Sc. Class in Pure Mathematics in 1916, and was subsequently interned under the Defence of India Act, has

been provisionally admitted into the aforesaid class as the Government of Bengal has no objection to resuming his studies (Vide Bengal Government Letter No. 7813-X, dated the 26th May, 1919, from the Additional Secretary to the Government of Bengal, Political Department, Special Intelligence Branch).

**RESOLVED—**

That the admission be sanctioned.

Read a letter No. <sup>PR</sup>~~384~~, dated the 25th June, 1919, from the Accountant-General, Bengal, to the Registrar, stating that Dr. Syamadas Mukherjee was promoted to the Class IV of the Provincial Educational Service from the 7th November, 1918, and requesting that the balance of pension contribution at Rs. 6-4 per mensem from that date up to the 16th June, 1919, when he retired from the Government Service, may be paid to him.

**RESOLVED—**

That the amount due be paid.

Read a Memo. from the Director of Public Instruction, Bengal, forwarding a copy of letter No. 1092 from the Under-Secretary to the Government of Bengal, General Department, Educational Branch, conveying sanction of the Government to the appointment of the following gentlemen as University Lecturers for the session 1919-20 :—

*Sanskrit College.*

	Rs.
Babu Muralydhara Banerjee ...	50 a month.
Pandit Sakalnarayan Sarma ...	50 , "
Mahamahopadhyay Pramathanath Tarkabhushan ...	50 , "
Mahamahopadhyay Laksman Sastri ...	50 " "
Pandit Rajendranath Vidyabhushan ...	50 , "
Mahamahopadhyay Dr. S. C. Vidyabhushan	250 , "

*Bethune College.*

Babu Bijaygopal Mookerjee ...	100 a month.
" Debendranath Ray ...	50 , "
" Krishnachandra Bhattacharyya ...	100 , "
" Probodchandra Sengupta ...	100 , "

**ORDERED—**

To be recorded.

Read a Memo. No. <sup>1012</sup>~~1011~~A, dated the 10th July, 1919, from the Director of Public Instruction, Bengal, forwarding a copy of letter addressed to the Secretary to the Government of Bengal, General Department, Educational Branch, recommending the

employment, as University Lecturers, during the session-1919-20, of the Professors of Presidency College.

**ORDERED—**

To be recorded.

The Secretary reported that Babu Surendranath Mitra, on the recommendation of M. M. Dr. S. C. Vidyabhushan and Dr. B. Barua, Joint-Editors of the Volume of Typical Selections in Pali, has been appointed an assistant to help them in copying the selected Pali passages for 6 months on a remuneration of Rs. 30 per month with effect from the 1st July, 1919.

**RESOLVED—**

That the appointment be approved.

Read a letter from Srijut Hemchandra Goswami, who has been appointed to edit a Volume of Typical Selections in Assamese Language, reporting the following progress in his work :—

Volume I.—1. Lyrical Age	...	21	pages
2. Mantras Aphorisms	...	74	"
3. Pre-Vaisnavite Age	...	213	"
4. Vaisnavite Age	..	686	"
		<hr/>	
		994	
II.—5. Period of Extension	...	447	"
6. Modern Age	...	683	"
		<hr/>	
		1,130	

**ORDERED—**

To be recorded.

Read a letter from Captain J. W. Petavel, reporting receipt of further subscriptions to "The Poverty Problem Study Fund" from the following gentlemen :—

The Hon'ble Raja Reshee Case Law	...	Rs. 10
" Bombay Merchant"	...	" 25
Col. Wyness (given as a first-yearly instalment)		" 20

**ORDERED—**

To be recorded.

The Secretary reported that at the request of Professor Taraporewala, who was away on leave, his salary cheque for the month of June was drawn in favour of Mr. Y. J. Taraporewala, University Lecturer in History.

**RESOLVED—**

That the action taken be approved.

Read a letter from Babu Durgagati Chatteraj, M.A., tendering resignation of his appointment as a University Lecturer in Economics with effect from 1st July, 1919.

**RESOLVED—**

That the resignation be accepted.

Read a letter from Babu Pulinbihari Ray tendering resignation of his appointment as an Assistant in the Office of the Secretary with effect from 1st June, 1919.

**RESOLVED—**

That the resignation be accepted.

Read an endorsement from Professor Bhandarkar, forwarding a letter from Mr. Vinaiyak L. Bhawe, stating that he is agreeable to prepare the Volume of Typical Selections in Marathi Language jointly with the Professor.

**RESOLVED—**

That Mr. V. L. Bhawe be appointed Joint-Editor of the Marathi Selections on a remuneration of Rs. 500.

Read a letter from Rai Saheb Dineschandra Sen, B.A., University Lecturer in Bengali, requesting that necessary steps may be taken for the work of cataloguing old Bengali MSS. under his direction.

**RESOLVED—**

That Babu Nisiranjan Dasgupta be appointed an Assistant in the Office of the Secretary on a salary of Rs. 30, a month (to be on probation for six months) and that his service be placed at the disposal of Rai Saheb Dineschandra Sen for the purpose mentioned in his letter.

The Secretary requested the Executive Committee to fix the price of the Carmichael Lectures, 1918, Volume I.

**RESOLVED—**

That the price of the Volume be fixed at Rs. 2.

The Secretary requested the Executive Committee to fix the price of the Proceedings of the Councils and Executive Committees, 1918.

**RESOLVED—**

That the price be fixed at Rs. 2 per volume.

Read a letter from Mr. R. Kimura, University Lecturer in Pali and Ancient Indian History and Culture, requesting that the attendance of all Pali students may be made compulsory in his lectures on the "History and Philosophy of Buddhism."

**RESOLVED—**

That the matter be referred to the Board of Higher Studies in Pali.

Read a letter from Rai Saheb Bidhubhushan Goswami, M.A., who has been appointed a University Lecturer in Sanskrit from the beginning of the session, reporting his inability to join his post on the 2nd July, 1919, as he has been suffering from paralysis and requesting that he may be permitted to join his duties from the beginning of the next month.

**ORDERED—**

To be recorded.

The Secretary submitted a bill for Rs. 335 from the Remington Typewriter Co., Ltd., for supplying a typewriter ( Executive Committee, dated the 17th January, 1919 ).

**RESOLVED—**

That the bill be paid.

The Secretary reported that out of the sum of Rs. 190 granted to Mr. Appaji Rao for supplying Kanarese Books to the Post-Graduate Library, the gentleman has already supplied books worth Rs. 175-12-9. ( Executive Committee dated the 17th March, 1919 ).

**RESOLVED—**

That the action taken be approved.

The Secretary submitted a bill from Messrs. K. A. Mullick & Co., for Rs. 75 for white-washing the walls and ceilings, painting and varnishing, including changing of glasses of 3 rooms in the Darbhanga Buildings at the rate of Rs. 25 each.

**RESOLVED—**

That the bill be passed for payment.

The Secretary submitted a bill for Rs. 165-7 from Ahmmad Ali Khan, Book-binder, for binding and ruling 340 copies of Class-Rolls, 600 Fee-Books etc., for the Department.

**RESOLVED—**

That the bill be paid.

The Secretary reported that the following arrangements have been made for the supervision of the Post-Graduate Students' Messes for the session 1919-20 :—

*Superintendents (Rs. 30 a month).*

1. Babu Kailaschandra Chakrabarti, M.Sc.
2. Babu Sasindrachandra Dhar, M.Sc.
3. Babu Kalimohan Datta.
4. Babu Bholanath Pal, M.A.

*Assistant Superintendents (Rs. 20 per month).*

1. Babu Jogendradas Chaudhuri, M.A.
2. „ Radhakissen Das, M.Sc.
3. „ Nagendranath Mookerjee, M.Sc.
4. „ Nripendralal Banerjee.

**RESOLVED—**

That the appointment be sanctioned.

The Secretary reported that Babu Basantakumar Nag and Babu Rajendralal Maitra, Assistants in his Office, were granted privilege leave for one month and fourteen days, and one month with effect from the 1st May, and 1st June, 1919 respectively.

**RESOLVED—**

That the leave be sanctioned.

The Secretary submitted two bills for Rs. 38-10 and Rs. 2-13 respectively from the Superintendent, Research Department, Jammu State, for supplying books in Sanskrit to the Post-Graduate Library.

**RESOLVED—**

That the bill be paid.

Read an application from Mr. M. Lakshmana Murti, who passed the B.A. Examination of the Madras University in 1919, requesting permission to join the University M.A. Class in Pure Mathematics and enclosing copy of the permission granted by the Registrar, University of Madras.

**RESOLVED—**

That the admission be sanctioned and the Executive Committee recommend to Syndicate that the application of the candidate be granted under Section 7 of Chapter XVI of the Regulations.

Read a memo. from the Registrar, Mysore University, forwarding an application from Mr. B. S. Madhava Row, who passed the B.Sc. Examination of the Mysore University, praying for permission to join the University M.Sc. Class in Pure Mathematics.

**RESOLVED—**

That the admission be sanctioned and the Executive Committee recommend to Syndicate that the application of the candidate be granted under Section 7 of Chapter XVI of the Regulations.

Read a letter from Babu Sunitikumar Chatterjee, M.A., University Lecturer in English and Comparative Philology, stating that he has been awarded one of the State Scholarships by the Government for Scientific Study of Sanskrit abroad and praying that he may be granted study leave for a period of 2 years with effect from the middle of August next with some monthly allowance (at least a third of his present pay).

**RESOLVED—**

That the application be granted and an allowance of Rs. 100 a month be sanctioned on condition that after return from



England Babu Sunitikumar Chatterjee will serve the University for a period for 3 years at least and on his failure to do so refund the whole of the amount paid to him as allowance.

The Secretary requested sanction of appointment of a peon for the new Post-Graduate mess at 33, College Street.

**RESOLVED—**

That the Secretary be authorised to appoint a peon on Rs. 12 a month.

Read an application from Mons. Vonck praying for leave from the 2nd to 25th July, 1919, both days inclusive, on ground of ill-health.

**RESOLVED—**

That leave be granted on full pay.

The Secretary submitted a bill for Rs. 16-4 from Kamdar Khan, Book-binder for binding 10 Volumes of books of the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bill be paid.

The Secretary asked for instructions as to the distribution of presentation copies of the undermentioned publications:—

(i) Bhandarkar—Carmichael Lectures, Volume I.

(ii) Ganguli—Plane Curves.

(iii) De—History of Bengali Literature.

(iv) Campbell—Prajñāna of Nagarjuna.

**RESOLVED—**

That a copy of each book be forwarded to—

(a) Each Member of the Executive Committee.

(b) Each Member of the Board of Higher Studies concerned.

(c) Such members of the Senate as may desire to have the book.

(d) Selected scholars (the list to be framed by the Secretary in consultation with the author and subject to the approval of the President).

(e) Such Colleges as may desire to have the book for their Library.

*Note*—Only one copy to be sent to a person whose name may appear in more than one of the above categories.

Read a letter from Lala Sitaram, B.A., who has been appointed to edit a Volume of Typical Selections in Hindi Language, forwarding MSS. of Book II for the inspection and approval of the Hon'ble the President and the Executive Committee.

**ORDERED—**

To be recorded.

Read a letter from Rai Saheb Dineschandra Sen, B.A., Ramtanu Lahiri Research Fellow, reporting that his lectures on "Chaitanya—From Old Records" for the current session are ready, and requesting the Executive Committee to arrange for typing them at an early date.

The Secretary stated that an additional typist was urgently needed for this and other work.

**RESOLVED—**

That a typist be appointed on a salary not to exceed Rs. 50 a month.

Read a Memo. from the Director of Public Instruction, Bengal, forwarding a copy of letter No. 1168, dated the 10th July, 1919, from the Offg. Secretary to the Government of Bengal, General Department, Education Branch, conveying sanction of Government to the transfer of the services of Babu Bipinbihari Sen, M.A., to the University for a further period of five years with effect from the 2nd July, 1919.

**ORDERED—**

To be recorded.

The Secretary reported that Mr. Sushilkumar De's Work on "Bengali Literature in the Nineteenth Century" has been printed and published by the University Press and to request the Executive Committee to fix the price of the Volume, (Executive Committee, dated the 24th February, 1919).

**RESOLVED—**

That the price be fixed at Rs. 6 per copy.

Read an application from Babu Dhirendranath Basu, an Assistant in the Office of the Secretary, praying that he may be granted leave without pay for eight months with effect from the 1st August, 1919.

**RESOLVED—**

That the application be granted, the Secretary to make temporary arrangement subject to the approval of the President.

Read the following report :—

## Report on the work of the Post-Graduate Council in Arts.

### For the Session 1918-19.

During the session just closed, instruction was given in—English, Sanskrit, Pali, Comparative Philology, Arabic and Persian, Mental and Moral Philosophy, Experimental Psychology, History including the new course in Ancient Indian History and Culture, Political Economy and Political Philosophy and Pure Mathematics.

The following table shows the number of students in the different Post-Graduate Classes :—

	5th-year.	6th-year
English ... ..	300	221
Sanskrit ... ..	11	22
Pali ... ..	4	3
Comparative Philology ... ..	1	2
Arabic and Persian ... ..	4	5
Philosophy .. ..	100	75
Experimental Psychology .. ..	15	7
History ... ..	100	89
Ancient Indian History and Culture ... ..	27	...
Economics ... ..	73	61
Pure Mathematics ... ..	98	94
	<hr/> 733	<hr/> 579
Grand Total ... ..	1312	

### English.

In the Department of *English* the staff was constituted as follows :—

Babu Jaygopal Banerjee, M.A., Class I, 1893. Formerly Principal and Professor of English, Victoria College, Cooch-Bihar.

„ Srikumar Banerjee, M.A., Gold Medallist, 1912. Professor, Presidency College.

- Babu Mohinimohan Bhattacharyya, M.A., Silver Medallist, 1911. P. R. Student, 1818. Formerly Lecturer on Churches College, Calcutta.
- „ Nalinimohan Chatterjee, M.A., English, Group A, 1911; Group B, 1913; Latin 1917; Greek 1918. Formerly Professor, South Suburban College, Calcutta.
- „ Sunitikumar Chatterjee, M.A., Gold Medallist, 1913. P. R. Student. Formerly Professor of English, Vidyasagar College, Calcutta.
- „ Rabindramohan Datta, M.A., Gold Medallist, 1914.
- „ Susilkumar De, M.A., Silver Medallist, 1911. P. R. Student. Formerly Professor, Presidency College.
- Mr. M. Ghose, M.A. (Oxon.), Professor, Presidency College.
- Babu Praphullachandra Ghosh, M.A., 1903, P. R. Student, 1907; Professor, Presidency College.
- „ Rajanikanta Guha, M.A., Class I, 1893; Professor, City College, Calcutta.
- Mr. J. W. Holme, M.A. (Liverpool); Professor, Presidency College.
- Rev. A. B. Johnston, B.A. (Cantab.); Principal, St. Paul's C. M. S. College, Calcutta.
- Mr. Robert Knox, M.A. (Oxon.); University Professor.
- Babu Herambachandra Maitra, M.A., Gold Medallist, 1880; Principal, City College, Calcutta.
- „ Bijaygopal Mookerjee, M.A., Gold Medallist, 1896; Professor, Bethune College, Calcutta.
- Dr. Harendracoomar Mookerjee, M.A., Gold Medallist, 1898; Ph.D., 1917. Formerly Principal, Rajchandra College, Barisal and Professor, City College, Calcutta.
- Babu Saileswar Sen, M.A., Gold Medallist, 1899. Formerly Principal and Professor of English, Hindu College, Delhi.
- Dr. H. Stephen, M.A., D.D. (Aberdeen). Formerly Professor, F. C. Institution and Scottish Churches College, Calcutta. University Professor.
- Mr. T. S. Sterling, M.A. (Cantab.), Professor, Presidency College, Calcutta.
- Miss Regina Guha, M.A., Gold Medallist, 1913.
- Babu Kumudbandhu Ray, M.A., Gold Medallist, 1917.
- „ Jyotischandra Ghosh, M.A., Silver Medallist, 1917.
- Professor Knox, who was granted leave on military duty and was serving in France, could not actually take part in the teaching work.

The following courses of lectures were delivered on the subjects noted against the name of each of the Lecturers. :—

#### 5TH-YEAR CLASS.

Paper I—Mr. S. K. De	...	History of English Literature—Pre-Elizabethan Period.
„ A. B. Johnston	...	History of English Literature 1625-1780.
Paper II—Dr. H. C. Mookerjee	...	Shakespeare—As You Like It.
Mr. J. W. Holme	...	Ben Johnson—Volpone.
Paper III—Mr. M. Ghosh	...	Swinburne.
Paper IV—Mr. H. C. Maitra	...	Arnold.
„ R. Guha	...	Milton.
„ P. C. Ghosh	...	Bacon.

#### GROUP A.

Paper V—Mr. P. C. Ghosh	...	Chaucer.
„ S. K. Chatterjee	...	The outlines of English Grammar.
Paper VI—Mr. J. G. Banerjee and } „ S. K. Banerjee }		Early Nineteenth Century Poetry (1798-1832).
Paper VII—Dr. H. Stephen and } Mr. S. Sen }		Early Nineteenth Century Prose (1798-1832).

#### GROUP B.

Paper V—Mr. S. K. Chatterjee	...	English Language and Literature prior to 1100 A.D.
Paper VI—Mr. T. S. Sterling	...	English Language and Literature from 1100 A.D. to 1500 A.D. including Chaucer.
Paper VII—Mr. N. Chatterjee	...	Historical English Grammar including the elements of Teutonic Philology.

#### TUTORIAL WORK.

Prior to 1918, the practical part of the work was carried on by the teachers and the Essays and other Exercises were marked, returned and commented on before the whole class. On account

of the large number of students, each class had to be divided into 3 sections each containing 100 students. Under the new arrangement the number of teachers had to be increased to 18 Lecturers and 3 Tutors.

The tutorial work of the Department was carried on in the following plan :—

The total number of students was divided into 30 batches, 15 in each year. 4 of these batches *viz.*, 2 in the 5th-year Class and 2 in the 6th-year Class were composed of students attached to the Presidency College. To each member of the staff was assigned one or more of these batches according to the following scheme :—

Name.	No. of batches.
Mr. J. G. Banerjee	1
„ N. Chatterjee	3
„ S. K. Chatterjee	1
„ S. K. De	2
„ M. Ghosh	2 (Presidency College)
„ J. W. Holme	2 (Ditto.)
„ S. Sen	2
Dr. H. Stephen	1
Mr. R. Datta	4
„ M. Bhattacharyya	4
„ K. B. Ray	4
„ J. C. Ghosh	4
Miss R. Guha	Selected groups.

#### SUMMARY OF HOURS OF WEEKLY LECTURE WORK.

Name.	5th-year.	6th-year.
Mr. J. G. Banerjee	3	6
„ S. K. Banerjee	3	6
„ S. K. Chatterjee	3 + 1 (B)	3 + 1 (E)
„ S. K. De	3	3
„ M. Ghosh	3	3
„ P. Ghosh	3	6
„ R. Guha	3	...
„ J. W. Holme	3	3
„ A. B. Johnston	3	...
„ H. Maitra	3	3
„ B. G. Mookerjee	...	3
Dr. H. C. Mookerjee	3	3
Mr. S. Sen	3	3
Dr. H. Stephen	3	3
Mr. T. S. Sterling	2 (B)	2 (B)
„ N. Chatterjee	2 (B)	2 (B)

Essays were given by all students and marked with written notes and comments. Records in each case were kept.

The Syllabuses of the lectures of the English Department were printed by the University and circulated to the students.

### Sanskrit.

The teaching of the various subjects in *Sanskrit* groups was entrusted to the following staff of 22 Teachers of whom 13 were University Graduates and 9 were Tol Pandits of great reputation. The staff, recruited from different parts of India, represents specialists in the various branches of study comprised in the several Groups :—

Babu Dhireschandra Acharyya, M.A. (1913 and 1917), Gold Medallist. Formerly Librarian, Sanskrit College.

„ Muralydhara Banerjee, M.A., Gold Medallist, 1890, Professor, Sanskrit College, Calcutta.

„ Radhagobinda Basak, M.A., 1907. Formerly Lecturer, Rajshahi College.

Mr. D. R. Bhandarkar, M.A. (Bombay). Formerly Superintendent, Western Circle, Archaeological Survey of India ; Carmichael Professor of Ancient Indian History and Culture.

Babu Kokil-swar Bhattacharyya, M.A., 1894. Formerly Professor of Sanskrit, Victoria College, Cooh-Beha.

„ Pasupatinath Bhattacharyya, M.A., Gold Medallist, 1910 and 1911. Formerly Professor, Bangabasi College, Calcutta.

„ Niranjanprasad Chakrabarti, M.A., Gold Medallist, 1916.

„ Prabhatchandra Chakrabarti, M.A., Gold Medallist, 1916. Formerly Professor, St. Xavier's College, Calcutta.

„ Surendranath Majumdar, M.A., Gold Medallist, 1910 ; P. R. Student, 1911.

Pandit Sakalnarayan Sarma, Professor, Sanskrit College, Calcutta.

Vedantabhisara N. S. Anantakrishna Sastri. Formerly Principal, Tirupathi Sanskrit College, Trivandrum.

Babu Asutosh Sastri, M.A., Gold Medallist, 1891 ; Professor, Presidency College, Calcutta.

Mahamahopadhyay Lakshman Sastri ; Professor, Sanskrit College, Calcutta.

Rai Rajendrachandra Sastri, Bahadur, M.A., Gold Medallist, 1883 ; P. R. Student, 1885. Formerly Bengali Translator to the Government of Bengal.

Pandit Sitaram Sastri.

„ Haragovinda Das Sheth. Formerly Professor, Jaina Pathshala, Benares.

Dr. Irach Jehangir Sorabji Taraporewala, B.A. (Bombay and Cantab), Ph.D. (Wurzburg). Formerly Professor, Central Hindu College, Benares. University Professor of Comparative Philology.

Mahamahopadhyay Pandit Pramathanath Tarkabhusan, Professor, Sanskrit College, Calcutta.

Pandit Sivakumar Tarkadarsantirtha.

„ Krishnacharan Tarkalankar.

„ Rajendranath Vidyabhushan, Professor, Sanskrit College, Calcutta.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A. (Sanskrit), 1893 ; (Pali), Gold Medallist, 1901 ; Ph.D., 1908 ; Principal, Sanskrit College, Calcutta.

The following courses of lectures were delivered on the subjects noted against the name of each of the Lecturers :—

Paper I—Pandit Sitaram Sastri and	} Ashtaka II of the Rig-Veda with Sayana's commentary and Sayana's Introduction to his commentary on the Rig-Veda.
„ Pasupati Sastri.	

Paper II—Pandit Sakalnarayan Sarma and	} Siddhanta Kaumudi.
„ Prabhatchandra Chakrabarti.	

Paper III—Prof. Taraporewala and	} General Principles and method of Comparative Philology—History of the Indo-European family of Languages with special reference to Vedic and Classical Sanskrit, and Prakrit, and Sabdasakit Prakasika.
Rai Rajendrachandra Sastri, Bahadur.	

Paper IV—M. M. Dr. S. C. Vidyabhushan.	History of Sanskrit Literature.
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#### GROUP A. (LITERATURE).

Paper V—Pandit Asutosh Sastri and	} (Poetry Text)—Naishadh Charita, Mahabharata and Kamandakiya Nitisara, Sukra Nitisara and Bharavi.
„ Prabhatchandra Chakrabarti.	



- Paper VI—Pandit Rajendranath Vidyabhushan and „ Muralydhara Banerjee. } Drama—Text—Vikramavasi, Mrichhakatika, Venisanhara, Mahaviracharita, Karpuramanjari and Prakrit Prakas.
- Paper VII—Pandit Asutosh Sastri and Devendranath Ray. } Harshacharita and Vasabaddatta.
- Paper VIII—Mahamahopadhyay Pt. Pramathanath Tarkabhushan. Rai Rajendrachandra Sastri, Bahadur. } Rhetoric and Prosody.
- Pandit Rajendranath Vidyabhushan. }

## GROUP B. (VEDAS).

- Paper V.—Pandit Sitaram Sastri and Pt. Prabhatchandra Chakrabarti. } Yaska's Nirukta and Pingala's Chhandasutras with Halayudha's Vritti Pratikshya of Rig-Veda with the commentary of Uvata.
- Paper VI.—Pandit Sitaram Sastri and „ Prabhatchandra Chakrabarti. } Aitareya Brahman with Sayana's commentary.
- Paper VII.—Pandit Kokileswar Sastri. } (a) Vrihadaranyaka, Chaps. III and IV.  
(b) Chhandogya Upanishad.
- Paper VIII.—Pandit Krishnachandra Tarkalankar. } Grihya-Sutra—Gobhila with commentary.

## GROUP C. (MIMANSA AND SMRITI).

- Paper V—Pandit Anantakrishna Sastri and „ Pasupati Sastri. } Mimansa Sutras with Sabara Bhasya.
- Paper VI—Pandit Anantakrishna Sastri and „ Pasupati Sastri. } Jaminiya Nyaya Mala Vistara and Mimansa Nyayaprakasa.
- Paper VII—Pandit Krishnachandra Tarkalankar. } Manusambhita, Dharma-Sutra of Apastamba and Grihya-Sutra of Gobhila.
- Paper VIII—Pandit Krishnachandra Tarkalankar and „ Pasupati Sastri. } Yajnavalkya Samhita.

## GROUP D. (VEDANTA).

- Paper V—Mahamahopadhyay Lakshman Sastri and Pandit Dhireschandra Acharyya } Vedantasara, Panchadasi, Vedanta Paribhasa, Hastamalaka and Sidhantalesa.
- Paper VI—Mahamahopadhyay Lakshman Sastri. } Vedanta Sutra and Sankara Bhasya.
- Paper VII—Pandit Anantakrishna Sastri and Mahamahopadhyay Pt. Pramathanath Tarkabhushan. } (1) Sribhashya.  
(2) Advaita Brahma Sidhhi.
- Paper VIII—Pandit Kokileswar Sastri. } Bhagabadgita, Upanishads with Sankara Bhasya.

## GROUP G. (GENERAL PHILOSOPHY).

- Paper V—Pandit Dhireschandra Acharyya and Devendranath Ray. } Sankhya Sutras of Kapila with Vritti of Aniruddha etc.
- Paper VI—Mahamahopadhyay Lakshman Sastri and Pandit Devendranath Ray. } Nyayasutras of Gautama with Bhasya of Vatsyayana and Vritti of Visvanatha.
- Paper VII—Mahamahopadhyay Pt. Pramathanath Tarkabhushan and Pandit Kokileswar Sastri. } Vedantasara Bhagavadgita, Vedantasutras with Sankar's commentary.
- Paper VIII.—Pandit Anantakrishna Sastri and Kokileswar Sastri. } Nyayratnamala of Parthasarathi Misra, Mimansa Nyaya Prakas of Apadeva Upanishadas.

## GROUP H (PRAKRIT).

- Paper V—Pandit Hargovinda Sheth ... Prasna Vyakarana and Vipaksutra.
- Paper VI—Pandit Muralydhara Banerjee ... Prakrit Dramas.
- Paper VII—Pandit Hargovinda Sheth and Muralydhara Banerjee. } Setubandhu, Gaudavaho, Kumarapalacharita, Prakrita Paingalam.
- Paper VIII—Pandit Hargovinda Sheth and Muralydhara Banerjee. } Prakrit Grammar, Chhandah's Prakrita Lakshanam, Hemchandra Prakrit Grammar.

## GROUP I (EPIGRAPHY AND HISTORY).

Paper V—Mahamahopadhyay Dr. Satischandra Vidyabhushan and Pandit Niranjanprasad Chakrabarti.	} Rajatarangini with Stein's introduction and commentary.
Paper VI—Prof. D. R. Bhandarkar and Babu Radhagobinda Basak ...	} Inscriptions of Asoka.
Paper VII—Babu Radhagobinda Basak, „ Surendranath Majumdar and Pandit Niranjanprasad Chakrabarti.	} Epigraphia Indica.
Paper VIII—Babu Radhagobinda Basak, „ Surendranath Majumdar and Pandit Niranjanprasad Chakrabarti.	} Ancient Geography of India.

## TUTORIAL WORK.

The tutorial work of the Department was carried on in following plan :—

		1ST FOUR PAPERS.
5th-year Class—One batch ...	}	Twice a month. Dr. Taraporewala.
6th-year Class—All the students	}	Once a month. M. M. Dr. S. C. Vidyabhushan.
“ A ” & “ H ” Group. students.	}	Twice a month. Pandit Prabhatchandra Chakrabarti.
“ B ”, “ C ”, “ D ”, “ I ” Students.	}	Alternate weeks. Pandit Surendranath Majumdar.
4th batches :— 1-5 ; 6-10 ; 11-16 ; 17-21.	}	Each batch once a week. Wednesday 11-12. Pandit Sitaram Sastri

## PAPERS V-VIII.

Group A {	Pandit Prabhatchandra Chakrabarti.	A. VI.
	„ Sivakumar Tarkadarsantirtha.	A. V.

Group B—	Pandit	Sitaram Sastri.	}	5th-year students twice a month and 6th-year students twice a month.
„	C—	„ Anantakrishna Sastri.		
„	D—	„ Kokileswar Sastri.		
„	E—	„ Dhireschandra Acharyya.		
„	H—	„ Hargovinda Sheth.		
„	I—	„ Niranjanprasad Chakrabarti.		

The Syllabuses of the lectures in the Sanskrit Department were printed by the University and circulated to the students.

### Pali.

During the year under review, the regulations, on the recommendation of the Board of Higher Studies in Pali, were altered with the sanction of the Government of India and the following staff was constituted to deal with the whole course :—

To encourage the study of Mahayana Buddhism, there was instituted a Special Group comprising some of the principal works in Buddhist Sanskrit Language Gatha Dialect ; for the teaching work of the remodelled Pali Department, and for securing the advantage of both the eastern and western methods of study, the teaching work was entrusted to a staff of three learned Bhikkus and seven distinguished M.A. Graduates.

Mr. D. R. Bhandarkar, M.A.

Babu Surendranath Majumdar, M.A., Gold Medallist, 1910 ;  
P. R. Student, 1911.

„ Sailendranath Mitra, M.A., Gold Medallist, 1912.  
Formerly Professor, Baptist College, Rangoon.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A.,  
Ph.D.

Dr. Benimadhab Barua, M.A., Gold Medallist, 1913 ;  
D.Litt. (London), 1917.

Babu Radhagobinda Basak, M.A., 1907. Formerly Lecturer,  
Rajshahi College.

„ Nalinaksha Datta, M.A., Gold Medallist, 1915. Formerly  
Professor, Baptist College, Rangoon.

Rajaguru Bhagavanchandra Mahastavir.

Swami Punnananda.

„ Rambukwelle Siddharta, Sastravissarad, Vinayacharyya

The following courses of lectures were delivered by the members of the staff :—

COMPULSORY PAPERS.

- Paper I—Babu Sailendranath Mitra and Samana Punnanaanda. } Selected portion of the Sutta Pitaka.
- Paper II—M. M. Dr. S. C. Vidya-bhusahn and Samana Siddhartha. } Selected portion of the Vinayaka Pitaka.
- Paper III—M. M. Dr. S. C. Vidya-bhushan and Samana Siddhartha. } Pali and Prakrit Grammar and Philology.
- Paper IV—Dr. Barua and Babu Nalinaksha Datta. } History of the Pali Literature and Buddhism.

GROUP A (LITERATURE).

*Paper V.*

- Samana Punnanaanda and Babu Nalinaksha Datta } Selected portion of the Jatakas.

*Paper VI.*

- Babu Sailendranath Mitra and Samana Punnanaanda } Selected portion of Pali Literature in General.

*Paper VII.*

- Prof. Bhandarkar and Babu Radhagobinda Basak } Inscriptions.

GROUP B (PALI PHILOSOPHY).

*Paper V.*

- Dr. Barua and Rajaguru Mahastavir } Selected portion of the Abhidhamma Pitaka.

*Paper VI.*

- Dr. Barua and Rajaguru Mahastavir } Selected portion of the Non-Canonical works.

*Paper VII.*

- Dr. Barua and Samana Punnanaanda } Selected portion of the Canonical and Non-Canonical works with commentaries.

GROUP C (EPIGRAPHY AND HISTORY).

*Paper V.*

- Babu Sailendranath Mitra and „ Nalinaksha Datta } Pali annals and chronicles.

*Paper VI.*

Prof. Bhandarkar and Babu Radhagobinda Basak	} Inscriptions of the Mauryya period.
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*Paper VII.*

Prof. Bhandarkar and Babu Radhagobinda Basak	} Cave Inscriptions and Ins- criptions of the Gupta period.
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*Paper VIII.*

M. M. Dr. S. C. Vidya- bhushan and Babu Surendranath Majumdar	} Ancient Geography of India
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Arrangements were also made to give the students the full benefit of Tutorial Classes under expert Tutors and there was established a Seminar in which students and teachers used to meet once a week to discuss subjects of general interest.

Mr. R. Kimura drew up a comprehensive syllabus for a course of lectures on Buddhism. The scheme was generally approved and the question of the publication of the lectures was deferred to the current session, after they had been delivered.

The Syllabuses of the lectures of the Pali Department were printed by the University and circulated to the students.

### Comparative Philology.

During the year under review the M.A. Course in Comparative Philology was re-constituted and the Regulations as contained in Chap. XXXIII were altered with the sanction of the Government of India. There were no prescribed text-books for the subject before this, and the Board of Higher Studies, in the light of the altered Syllabus, prescribed them for the year 1919-1920.

The 5th-year Class in Comparative Philology was opened in September, 1918, and Dr. I. J. S. Taraporewala, University Professor, was the only teacher of the Department and took 6 hours a week out of which 3 hours were devoted to *Avesta*. The introduction of *Avesta* for the first time in the history of the University is the special feature of the year in this Department.

The staff was subsequently strengthened as follows :—

- Prof. I. J. S. Taraporewala, B.A., Ph.D.
- Mr. B. C. Majumdar, B.A.
- Mr. S. K. Chatterjee, M.A.

During the year the scheme for the examination in Teutonic Philology was adopted.

The Syllabuses of the lectures of the Comparative Philology Department were printed by the University and circulated to the students.

### Arabic and Persian.

The following gentlemen were Post-Graduate Teachers in Arabic and Persian :—

Sheikh Mahommed Khalil Ahmed, M.A., Gold Medallist (1894). Formerly Persian Translator, High Court, Calcutta.

Sheikh Abu Nasr Gilani, High Priest of the Shiahs.

Maulavi Abu Musa Ahmadul Haq., Formerly Research Maulavi of the Asiatic Society.

Shams-ul-ulama Vilayet Hossain. Formerly Head Maulavi, Calcutta Madrassa.

The Hon'ble Dr. Abdullah-al-Mamun Suhrawardy, M.A. Gold Medallist (1898) ; Ph.D. (1908).

Aga Mahomed Kazim Shirazi, Maulavi, Board of Examiners.

The following courses of lectures were delivered :—

### PERSIAN.

Shams-ul-ulama Vilayet Hossain.

1. Prose selections in Arabic prescribed for the B.A. Pass Course.
2. Kimiya-i-Sasdat.

Mr. S. Khalil Ahmed.

1. Mantiq-ut Tair of Attar.
2. The Diwan of Nasir-i-Khusraw.
3. The Qasaid of Zahir Faryabi.

Shaikh Abu Nasr Gilani.

1. Hadiqa-i-Sanai.
2. Tazkira of Dawlat Shah.
3. Tazkir of Awfi.

Aga Mahomed Kazim Shirazi.

1. Durra-i-Nadira.
2. Rhetoric and Prosody.
3. Philosophy.

The Hon'ble Dr. A. M. Suhrawardy.

1. Mahomedan History.
2. History of Persian Literature.

## ARABIC.

Shams-ul-ulama Vilayet Hossain    Mishkat-ul-Masabih, Kash-  
shaf, Futuhul Buldan,  
Faraid.

Maulavi Abu Musa Ahmadul  
Haq    ...    Kitabul-Aghani, Yatimud-  
Dahr Isharat, Mufasssal.

The Hon'ble Dr. A. Suhrawardy    Mahomedan History and  
History of Arabic Litera-  
ture.

The Syllabuses of the lectures of the Arabic and Persian  
Department were printed by the University and circulated to the  
students.

## Philosophy.

The following gentlemen were appointed Post-Graduate  
Teachers in Mental and Moral Philosophy for the session  
1918-19 :—

Mr. Jnauranjan Banerjee, M.A., Gold Medallist, 1888 ;  
Vice-Principal, Vidyasagar College, Calcutta.

Babu Haridas Bhattacharyya, M.A., Gold Medallist, 1914 ;  
formerly Professor, S. C. College, Calcutta.

Babu Krishnachandra Bhattacharyya, M.A., Gold Medallist,  
1896 ; P. R. Student, 1901 ; Professor, Bethune College, Calcutta.

Mr. Praphullakumar Chakrabarti, M.A., Gold Medallist,  
1904 ; M.A. (Cantab.), Mental and Moral Science Tripos, Class I  
in both parts.

Babu Kalidhan Chatterjee, M.A., Silver Medallist, 1913 ;  
Professor, S. C. College, Calcutta.

Babu Satishchandra Chatterjee, M.A., Gold Medallist, 1916 ;  
formerly Professor, Ripon College, Calcutta.

Rev. G. Ewan, M.A. (Edin.), Professor, S. C. College,  
Calcutta.

Dr. Hiralal Haldar, M.A., 1887 ; Ph.D., 1910 ; formerly  
Professor, Krishnath College, Berhampur and City College,  
Calcutta.

Dr. Ramdas Khan, M.A. (Yale), 1909 ; Ph.D. (Cal.), 1913.

Babu Susilkumar Maitra, M.A., Gold Medallist, 1913 ;  
P. R. Student, 1916 ; formerly Professor, B. M. College, Barisal.

Babu Ambikacharan Mitra, M.A., Class I, 1886 ; formerly  
Professor, Cuttack College.

Babu Khagendranath Mitra, M.A., Gold Medallist, 1899 ;  
Professor, Presidency College.

Dr. Adityanath Mookerjee, M.A., Gold Medallist, 1897 ;  
P. R. Student, 1903 ; Ph.D., 1909 ; Professor, Presidency College,  
Calcutta



Dr. Prabhu Dutt Shastri, M.A. (Punjab), Ph.D. (Kiel), B.Sc. (Oxon.), Professor, Presidency College, Calcutta.

Dr. Brajendranath Seal, M.A., Gold Medallist, 1884; Ph.D., 1910; formerly Principal, Krishnath College, Berhampur, and Victoria College, Cooch-Behar; George V Professor.

Dr. Narendranath Sengupta, M.A., Ph.D. (Harvard), 1915.

Dr. W. S. Urquhart, M.A., D. Phil. (Aberdeen), Professor, S. C. College, Calcutta,

The following course of lectures were delivered :—

### 5TH-YEAR CLASS

#### LECTURES: COMPULSORY PAPERS.

##### *Paper I. (Ancient Philosophy).*

Mr. J. R. Banerjee	...	Socrates, Plato and Aristotle, 1 hour in the week.
Mr. K. N. Mitter	...	History of Ancient Philosophy, 1 hour in the week.

##### *Paper II. (Mediæval and Modern Philosophy).*

Mr. S. K. Maitra	...	Mediæval Philosophy, 1 hour in the week.
Dr. H. Haldar	...	Modern Philosophy and Kant (Text) :— with Dialect and Ethics from Kant to Hegel, 3 hours in the week.
Mr. K. Chatterjee	...	Renaissance and Hume (Text), 1 hour in the week.
Dr. N. Sengupta	...	Contemporary Philosophy, 1 hour in the week.

##### *Paper III. (Outlines of Indian Philosophy).*

Dr. P. D. Shastri	...	1 hour in the week.
Mr. S. K. Maitra	...	1 hour in the week.
Mr. S. C. Chatterjee	...	1 hour in the week.

#### OPTIONAL.

##### *Psychology.*

Dr. N. Sengupta	...	1 hour in the week.
Mr. H. D. Bhattacharyya	..	2 hours in the week.

##### *Ethics and Sociology.*

Dr. A. Mukherjee, Ethics	...	2 hours in the week.
Dr. R. Khan, Sociology	...	2 hours in the week.

**Logic.***Logic (as Methodology) Group A.*

Mr. A. C. Mitra	2 hours in the week
Mr. P. K. Chakrabarti	1 hour in the week.

*Logic (Dialectic) Group B.*

Dr. B. N. Seal	... 1 hour in the week.
Dr. H. Haldar	... 1 hour in the week.

*Philosophy of Religion.*

Dr. W. S. Urquhart	... 1 hour in the week.
Mr. G. Ewan	1 hour in the week.
Mr. S. C. Chatterjee	1 hour in the week.

*Indian Philosophy—Special Branch—Sankhya-Yedanta Group.*

Dr. B. N. Seal	... 2 hours in the week (jointly with the 6th-year Class).
Dr. P. D. Shastri	1 hour in the week (jointly with the 6th-year Class).
Mr. S. K. Maitra	... 1 hour in the week.

**6TH-YEAR CLASS.****COMPULSORY PAPERS.***Paper I (Ancient Philosophy.)*

Mr. J. R. Banerjea	... 1 hour in the week.
Mr. K. N. Mitter	... 1 hour in the week.

*Paper II (Mediaeval and Modern Philosophy)*

Mr. S. K. Maitra	Mediaeval Philosophy	1 hour in the week.
Mr. K. Chatterjee	Renaissance to Kant and Hume (Text) ...	1 hour in the week.
Dr. H. Haldar ..	Modern Philosophy from Kant downwards, Dialectic and Ethics from Kant to Hegel ...	3 hours in the week.
Dr. P. D. Shastri	Contemporary Philosophy ...	1 hour in the week.

*Paper III (Outlines of Indian Philosophy).*

Dr. P. D. Shastri	... 1 hour in the week
Mr. S. K. Maitra	... 1 hour in the week.
Mr. S. C. Chatterjee	... 1 hour in the week.

## OPTIONAL.

*Psychology.*

Dr. N. Sengupta	...	...	1 hour in the week.
Mr. H. Bhattacharyya	...	...	2 hours in the week.

*Ethics and Sociology.*

Dr. A. N. Mukherjee—Ethics	...	...	1 hour in the week.
Dr. R. Khan—Sociology	..	...	2 hours in the week.
Mr. A. C. Mitra	...	...	1 hour in the week.

*Logic.*

## Logic . . . (Methodology) (Group A.)

Mr. A. C. Mitra	...	...	2 hours in the week.
Mr. K. C. Bhattacharyya	...	...	1 hour in the week.
Mr. P. K. Chakrabarti	...	...	1 hour in the week.

*Philosophy of Religion.*

Dr. W. S. Uquhart	...	...	1 hour in the week
Mr. G. Ewan	.	...	1 hour in the week.
Mr. S. C. Chatterjee	...	..	1 hour in the week.

*Indian Philosophy—Special Branch—Sankhya-Vedanta.*

Dr. B. N. Seal	...	1 hour in the week (jointly with the 5th-year Class).
Dr. P. D. Shastri	...	1 hour in the week (jointly with the 5th-year Class).
Mr. S. K. Maitra	...	1 hour in the week.

## SEMINAR AND TUTORIAL WORK.

The work in this connection was carried on according to the following scheme :—

The tutorial work took the form of exercises written by students on prescribed subjects, and corrected by the Post-Graduate Teachers, and the Seminar work was in the form of Essays composed by students in prescribed subjects and read and discussed in the classes. A regular record was kept of the Tutorial and Seminar work done by each student.

Besides arrangements for Seminar work, facilities were also provided for specialisation and research among the Teaching Staff by the reduction of the number of subjects which some of the members of the staff were required to teach under the old system.

Prof. Seal also encouraged all earnest workers in the field of research by personally supervising their work, assisting them in

their difficulties and guiding them in their investigation where guidance was necessary.

During the year under review Babu Kalidhan Chatterjee, M.A., a distinguished graduate of this University and an enthusiastic Professor died on the 15th March, 1919. His portion of the work was distributed amongst the other members of the staff.

The Syllabuses of the lectures of the Philosophy Department were printed by the University and circulated to the students.

### **Experimental Psychology.**

The number of admissions in the Department increased from 6 in 1917-18, to 15 in the present session. Here appears to be a marked increase in the demand for seats in the Department and it is expected that the present accommodation will, before long, prove insufficient for the growing number of students. The equipment of the Laboratory in the matter of instruments leaves no room for any increase in the number of students in the research work. The difficulty in this direction was enhanced by the prevailing condition of shipping and several instruments had to be locally improvised and manufactured.

The Staff included 8 members including Dr. Seal, the George V Professor of Mental and Moral Philosophy, and was constituted as follows :—

Babu Manmathanath Banerjee, M.Sc., 1916.

„ Haridas Bhattacharyya, M.A., Gold Medallist; formerly Professor, Scottish Churches College, Calcutta.

Mr. B. C. Ghosh, M.A. (Allahabad), M.A., M.B., (Cantab.), Professor, Vidyasagar College, Calcutta.

Mr. Khagendranath Mitra, B.A. (Wisconsin), 1913.

Dr. Brajendranath Seal, M.A., Ph.D.

Dr. Narendranath Sengupta, M.A., Ph.D.

Babu Girindrasekhar Bose, M.Sc., Gold Medallist, 1917; M.B., 1910.

Babu Pramodranjan Dasgupta, M.Sc., Gold Medallist, 1916.

The following courses of lectures were delivered :—

### **THEORETICAL.**

Paper I.—Physiological Psychology.

(a) General Psychology (with elements of the Psychology of Peoples and Races). } Dr. N. Sengupta.

(b) Physiological Psychology with Physiology of the Nervous System. } Mr. P. Dasgupta.

(c) Physiological Psychology... Mr. M. Banerjee.

**Paper II.**—Mental Pathology, (including study of Mental Deficiency and Criminology).

(a) Mental Pathology with special reference to Physical Basis. } Mr. B. C. Ghosh.

(b) Mental Pathology with special reference to Psycho-analytical methods. } Mr. G. Bose.

**Paper III.**—Animal Psychology (including Mental Evolution).

(a) Animal Psychology ... Mr. K. Mitra.

(b) Heredity and General Biological Basis (with Mental Evolution in Animals). } Mr. K. Mitra.  
Mr. G. Bose.

**Paper IV.**—Child Psychology.

(a) Child Psychology ... Mr. P. Dasgupta.

(b) Educational Psychology ... Mr. H. Bhattacharyya.

A Syllabus was drawn up for practical training and experimental work and provision was made therein for special scientific training of the students including uses of apparatus, physical, and biological, with mental measurement and statistical and quantitative methods.

Babu Pramodranjan Dasgupta, one of the Lecturers, resigned and Babu Haripada Maiti, M.A. (Gold Medallist), was appointed in his place from 1st January, 1919.

The Syllabuses of the lectures of the Experimental Psychology Department were printed by the University and circulated to the students.

## History.

(GENERAL COURSE.)

The Staff was constituted as follows :—

Babu Gauranganath Banerjee, M.A., Silver Medallist, 1912.  
P. R. Student, 1914.

„ Pramathanath Banerjee, M.A., Gold Medallist, 1915.

Mr. J. N. Das Gupta, B.A. (Oxon.); Professor, Presidency College, Calcutta.

- Mr. A. C. Datta, M.A., B.C.L. (Oxon.); formerly Professor,  
City College, Calcutta.  
 „ S. Khuda Buksh, M.A., B.C.L. (Oxon.).  
 „ Bejoykumar Sarkar, A.B. (Harvard); formerly Professor,  
Central Hindu College.  
 Babu Bipinbihari Sen, M.A., Gold Medallist, 1891; formerly  
Professor, Hughli College.  
 „ Surendranath Sen, M.A., Silver Medallist, 1915;  
formerly Professor, Robertson College, Jubbulpore.  
 The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.  
 Mr. K. Zachariah, B.A. (Oxon.); Professor, Presidency  
College, Calcutta.  
 Babu Indubhushan Banerjee, M.A., Gold Medallist, 1916.  
 „ Nirmalchandra Chatterjee, M.A., Silver Medallist,  
1916.  
 „ Jogischandra Sinha, M.A., Gold Medallist, 1915.  
 Mr. Y. J. Taraporewalla, B.A. (Cantab.), M.A. (Bombay).  
 The following courses of lectures were delivered :—

#### 5TH-YEAR CLASS

##### *Paper I (England).*

Mr. B. B. Sen.

##### *Paper II (Ancient India).*

Mr. R. C. Majumdar.

##### *Paper III (Ancient East).*

Mr. G. N. Banerjee.

##### *Paper IV (Constitutional History).*

Mr. J. N. Das Gupta.

„ K. Zachariah.

##### *Paper V (International Law).*

Mr. A. C. Datta.

##### *Papers VI-VII.*

(a) Islam—Mr. S. Khuda Buksh (Outside India).

Dr. A. Suhrawardy (In India).

(b) Comparative Politics—Mr. B. B. Sen (Ancient).

„ P. N. Banerjee (Modern).

„ N. Chatterjee Mediaeval).

(c) Modern India—Mr. I. B. Banerjee.

„ S. Sen.

(d) Economic History—Mr. B. K. Sarkar (England).

„ J. C. Sinha (India).

(e) French Revolution—Mr. J. N. Das Gupta.

„ Taraporewalla.

## 6TH-YEAR CLASS.

*Paper I (England).*

Mr. B. B. Sen.

*Paper II (Ancient India).*

Dr. R. C. Majumdar.

*Paper III (Ancient East).*

Mr. G. N. Banerjee.

*Paper IV (Constitutional History).*

Mr. J. N. Das Gupta.

„ K. Zachariah.

*Paper V (International Law).*

Mr. A. C. Datta.

*Papers VI-VII.*

(a) Islam—Mr. S. Khuda Buksh (Outside India).

Dr. A. Subrawardy (In India).

(b) Comparative Politics—Mr. B. B. Sen (Ancient).

„ P. N. Banerjee (Modern).

(c) Modern India—Mr. H. C. Raychaudhuri.

„ S. Sen.

(d) Economic History—Mr. B. K. Sarkar (England).

„ J. C. Sinha (India).

(e) Reformation—Mr. K. Zachariah.

## TUTORIAL WORK.

The Tutorial work was done according to the following plan :—

Name.	No. of batches.		
Mr. G. N. Banerjee	...	...	2
„ I. B. Banerjee	...	...	3
„ N. Banerjee	...	...	2
„ P. N. Banerjee	...	...	2
„ N. Chatterjee	..	...	3
„ J. N. Das Gupta	...	...	1
„ A. C. Datta	...	...	1
Dr. R. C. Majumdar	...	...	2
Mr. H. C. Raychaudhuri	...	...	1
„ Arun Sen	...	...	1
„ B. B. Sen	...	...	1
„ S. Sen	...	...	1
„ Y. Taraporewalla	...	...	1
„ Zachariah	...	...	1

## SUMMARY OF HOURS OF WEEKLY LECTURE WORK

Name.	5th-year.	6th-year.
Mr. G. N. Banerjee	2	2
„ I. B. Banerjee	2	...
„ P. N. Banerjee	2	2
„ N. Chatterjee	2	...
„ J. N. Das Gupta	1	2
„ A. C. Datta	2	2
„ S. Khuda Buksh	2	2
Dr. R. C. Majumdar	2	2
Mr. H. C. Raychaudhuri	...	2
„ B. K. Sarkar	2	2
„ B. B. Sen	3	1
„ S. Sen	2	2
„ J. C. Singha	2	2
„ Y. Taraporewalla	3	...
„ K. Zachariah	2	2

The Syllabuses of the lectures of the History Department were printed by the University and circulated to the students.

**History.**

(SPECIAL COURSE).

(Ancient Indian History and Culture).

On the recommendation of the Board of Higher Studies in History, the courses in Ancient Indian History and Culture was sanctioned by the Government of India as a subject for the M.A. Examination and came into operation from the commencement of the session. The next important feature of this course is the introduction of the study of Indian Archaeology.

As there were no suitable text-books covering the subject of the course, every Lecturer drew up full summaries of his lectures, which were to be written and distributed to the students. During the year under review, Professor Bhandarkar also delivered a popular lecture, with the help of lantern slides with a view to give the students some idea of the work they were expected to do in the domain of Archaeology. The following Post-Graduate Teachers were appointed for the new course :—

Babu Dhireschandra Acharyya, M.A. (1913-1917), Gold Medalist. Formerly Librarian, Sanskrit College.

Dr. Beni Madhab Barua, M.A., Gold Medallist, 1913 ; D. Litt. (London), 1917.

Professor D. R. Bhandarkar, M.A. (Bombay), Carmichael Professor.



Babu Phanindralal Gangooly, M.A., Gold Medallist, 1900 ; P. R. Student, 1904.

Dr. Rameschandra Majumdar, M.A., Silver Medallist, 1911 ; P. R. Student, 1912 ; Ph. D., 1918. Formerly Professor, Dacca Training College.

Babu Surendranath Majumdar, M.A., Gold Medallist, 1910 ; P. R. Student, 1911.

Babu Hemchandra Raychaudhuri, M.A., Gold Medallist, 1913 ; formerly Professor, Presidency College, Calcutta.

Mr. Arun Sen, B.A. (Cantab).

Babu Narayanchandra Banerjee, M.A., Calss I, 1916.

Babu Anantakrishna Banerjee, M.A., Gold Medallist, 1917.

Babu Haranchandra Chakladar, M.A. (1897) ; formerly Professor, Ripon College, Calcutta.

Babu Radhagobinda Basak, M.A. (1907) ; formerly Lecturer, Rajshahi College.

Rao Bahadur B.A. Gupte, F.Z.S.

Babu Prabodhchandra Sengupta, M.A. (1901), B.T. (1914) ; Professor, Bethune College, Calcutta.

Babu Narendrakumar Majumdar, M.A., Gold Medallist (1912).

Pandit Babuya Misra, Jyotishacharyya.

The following courses of lectures were delivered :—

#### 5TH-YEAR CLASS.

##### COMPULSORY PAPERS.

##### *Paper II.*

Mr. H. C. Raychaudhuri.

##### *Paper IV.*

Mr. S. N. Majumdar.

##### SPECIAL GROUPS.

#### I. ARCHÆOLOGY—

##### *Paper F.*

Prof. D. R. Bhandarkar.

Mr. R. G. Basak.

##### *Paper VIII.*

Mr. Arun Sen.

#### II. SOCIAL AND CONSTITUTIONAL HISTORY—

##### *Paper F.*

Mr. H. C. Chakladar.

##### *Paper VII.*

Mr. N. C. Banerjee.

## III. RELIGIOUS HISTORY—

Mr. D. C. Acharyya. *Paper I.*  
 Dr. B. Barua. *Paper VII.*

## IV. ASTRONOMY AND MATHEMATICS—

*Papers I-IV.*  
 Mr. P. Gangooly.  
 „ N. K. Majumdar.  
 „ P. C. Sengupta.  
 Pandit Babuya Misra.

## SUMMARY OF HOURS OF WEEKLY LECTURE WORK.

Name.			5th-year.
Mr. D. C. Acharyya	...	...	2
„ A. P. Banerjee	...	...	2
„ N. Banerjee	...	...	2
Dr. B. M. Barua	...	...	2
Mr. R. G. Basak	...	...	2
„ H. C. Chakladar	...	...	2
„ P. Gangooly	...	...	2
„ S. N. Majumdar	...	...	2
„ N. K. Majumdar	...	...	2
Pandit Babuya Misra	...	...	2
Mr. Arun Sen	...	...	2
„ P. C. Sengupta	...	...	2

A Volume on the Inscriptions of Asoka edited by Prof. Bhandarkar and Babu Surendranath Majumdar and designed for the use of the Post-Graduate students was sent to press. For the better encouragement of the study of the subject a scholarship of Rs. 25 a month was instituted for each of the four groups included in the new course.

## TUTORIAL AND SEMINAR WORK.

The Tutorial work was done according to the following scheme :—

## Wednesday Tutorial and Seminar Work.

1st Month.	{	1st Wednesday	...	Paper II.
		3rd Wednesday	...	Paper V.
2nd Month.	{	1st Wednesday	...	Paper IV.
		3rd Wednesday	...	Papers VII and VIII of Group I,

and so on.

## RESEARCH WORK.

Dr. R. C. Majumdar has published a book on 'Corporate Life in Ancient India' and has sent an article on two copper-plates lent by Prof. Bhandarkar to be printed in the *Epigraphia Indica*. In the *Indian Antiquary* are being published two papers—one on the revised chronology of the last Gupta Emperors and the other a note on the Hathigumpha Inscription of Kharavela. He is now engaged in editing several important inscriptions, the facsimiles of which also were given by Prof. Bhandarkar.

Mr. Gauranganath Banerjee published a book on Hellenic Influence on Indian Civilization, and an article entitled "The Evolution of Criminal Law in the Early Orient (5000 B.C. to 600 A.D.)," *Calcutta Law Journal* (June 1, 1918). He is at present carrying on researches on a very interesting subject, *viz.*, "The World around Ancient India : India's intercourse in early times with Greece, Persia, Rome, China, Java and Indo-China."

Mr. S. N. Sen was engaged on researches in Shivaji's Administrative system as well as in authentic materials for the history of his times. He has also translated Sabhasad Bakhar with historical and topographical notes and with copious extracts from Chitnis and Shivadigvijaya. It will be published by the University. He has also made a critical study of Tipu Sultan. A short note on his Shringeri letters has been sent for publication in the *Indian Antiquary*.

Babu Surendranath Majumdar, Shastri, commenced his "Contributions to the study of the Ancient Geography of India" and subsequently sent two articles under this head for publication in the *Indian Antiquary*. He was also on research work in the following subjects : (1) Topographical list of the Brihat-samhita compared with the lists in the Parasaratantra and Markandeya-Purana ; (2) The nine divisions of India in the Puranas ; (3) Ayomukha, a place mentioned in Kasika ; (4) On the identification of Kalakavana, the eastern boundary ; (5) of Adarsa, the western boundary, of Aryavarta, and (6) of the Kulisi, a river mentioned in the Rig-Veda.

Mr. Hemchandra Raychaudhuri did research work in the following subjects : (1) Greek and Parthian rule in India, (2) Political History of the Early Kali Age (*i.e.* from the accession of Parikshit to the coronation of Mahapadma), (3) The lesser epic of India.

Mr. Radhagobinda Basak's article on the "Silimpur Stone Slab Inscription of the time of Jayapaladeva" appeared last year in the *Epigraphia Indica*. In the same journal soon followed his learned article on five Damodarpur copper plate grants of the Gupta period. For publication in the *Indian Antiquary* he

submitted (1) "A Note on the meaning of the words *niri* and *vinita* as used in Indian epigraphs" and (2) Chandra's Conquest of Bengal. He also engaged himself in editing a copper plate grant of the Gujarat Rashtrakut king Karka given by Prof. Bhandarkar for the purpose.

Mr. Arun Sen wrote a thoughtful article on the question whether Persian or Perso-Greek influence is traceable in the architecture of the Mauryan period and has submitted it for publication in the Indian Antiquary. He was also engaged upon research work connected with (1) Nanchi Sculpture and the law of frontality and (2) Pre-Mauryan Art.

Mr. Haranchandra Chakladar contributed a paper on "A study of Vatsyayana's Kamasutra—Date and Origin" to the Journal of the Bihar and Orissa Research Society, and was engaged on a copper-plate made over to him by Prof. Bhandarkar.

Mr. N. C. Banerjee continued to work in connection with the Word-Index of Kautilya's Arthashastra after duly attending to the study of the special subject on which he is lecturing. He is also gathering materials relating to "International Law in Ancient India" and piecing together the fragments of Katyayana's Smriti.

Mr. D. C. Acharyya has collected materials on the following : (1) Bearing of the Rig-Veda on the doctrine of Revelation, and (2) Germs of the later systems of Hindu Religion and Philosophy in the Rig-Veda (especially of the Vaishnava Religion and Samkhya-Yoga system of Philosophy).

Dr. B. M. Barua's book entitled "The Prolegomena to a History of Buddhist Philosophy" came out of the University Press last year. He is at present engaged ( ) in writing upon "The analysis of faith and Indian thought" the first of a series of monographs, (2) preparing a compendium of Asoka's Dhamma, (3) and preparing "Typical Selections in Pali" in collaboration with Dr. J. C. Vidyalushan.

Mr. P. Gangooly's translation of the Khanda-khadya-karana of Brahmagupta was made ready for the press.

Mr. P. C. Sen Gupta contributed eight papers bearing on Indian Mathematics and Astronomy, of which the one called "Parallax in Hindu Astronomy" was published by the Indian Science Association. Of the remaining papers the most important are : (1) Hindu Methods of solving Indeterminate Equations of the First Degree according to Aryabhata, Brahmagupta and Bhaskara ; (2) Treatment of the Rising and Setting of Heavenly Bodies in Hindu Astronomy ; and (3) Origin of the Indian Cyclic Method for the solution of  $Nx^2 + 1 = Y^2$ . The last of these will be published in the Bulletin of the Calcutta Mathematical Society.

Mr. N. K. Majumdar is engaged upon an edition of (1) the *Sulbasutra* of Apastamba with an Introduction, (2) the *Rajamriganka* of Bhojadeva, and (3) *Jyotisha-Vedanga* (in Bengalee).

Mr. Nanigopal Majumdar, who is an M.A. student at present and has taken up Archaeology in the Ancient Indian History and Culture Course, contributed the following papers which have been published in the *Indian Antiquary* : (1) A Harsha Stone Inscription, (2) Kamandaka and Kalida, (3) Abhira migrâtion into India. The following have already been written and will be published shortly, (4) *Samaja*, (5) Patna Museum inscription of King Jayasena, (6) Patua Copper-plate of King Govinda chandra; (7) An inscription from Bodh-Gaya (*Journal of the Bihar and Orissa Research Society*); (8) Three Gupta inscriptions discovered at Sarnath (*Epigraphia Indica*); (9) Baroda Copper-plate of Dhruva of the Rashtrakuta branch of Gujrat (*Epigraphia Indica*) lent by Prof. Bhandarkar.

The first series of lectures delivered by Prof. Bhandarkar, has been published by the University Press; the second series will follow.

### Economics.

The staff was constituted as follows :—

Dr. Pramathanath Banerjee, M.A., 1902; D.Sc., Econ., (London); formerly Professor, Ripon and Scottish Churches Colleges, Calcutta.

Babu Pramathanath Banerjee, M.A., Gold Medallist, 1915.

„ Satishchandra Chakrabarti, M.A., Silver Medallist, 1912; formerly Professor, Victoria College, Cooch-Bihar.

„ Durgagati Chatteraj, M.A., Silver Medallist, 1914; formerly Professor, Scottish Churches College, Calcutta.

„ Rohinimohan Chaudhuri, M.A., Silver Medallist 1916; formerly Lecturer, D. A. V. College, Lahore.

Mr. J. C. Coyajee, B.A. (Bombay and Cantab.), LL.B. (Cantab.); Professor, Presidency College, Calcutta.

Babu Praphullachandra Ghosh, M.A., Silver Medallist, 1916, B.Sc., 1914.

Mr. C. J. Hamilton, M.A. (Cantab.); Minto Professor.

„ J. C. Kydd, M.A., Professor, Scottish Churches College, Calcutta.

Babu Panchanandas Mookerjee, M.A., Gold Medallist, 1912, Professor, Presidency College, Calcutta.

„ Radhakamal Mookerjee, M.A., 1910; P. R. Student, 1915; formerly Professor, Krishnath College, Berhampur and Principal, Sanatan Dharma College.

- Babu Jitendraprasad Niyogi, M.A., Gold Medallist, 1913.  
 „ Satishchandra Ray, M.A., 1886; formerly of the  
 Finance Department of the Government of India,  
 and Offg. Chief Accountant, Calcutta Corporation.  
 „ Krishnabinod Saha, M.A., Class I, 1915; formerly  
 Lecturer, Victoria College, Cooch-Bihar.  
 Mr. Surendranath Sanyal, M.A. (Economics), M.Sc.,  
 (Mathematics) Iowa.  
 „ Bejoykumar Sarkar, A.B. (Harvard); formerly Pro-  
 fessor, Central Hindu College, Benares.  
 Babu Bipinbihari Sen, M.A., Gold Medallist, 1891; formerly  
 Professor, Hughli College.  
 Mr. A. C. Sengupta, M.A. (Edu.), Professor, Presidency  
 College, Calcutta.  
 Babu Jogischandra Sinha, M.A., Gold Medallist, 1915.

The following courses of lectures were delivered :—

### 5TH-YEAR CLASS.

#### PAPERS I-II.

*(General Economics).*

Mr. J. C. Coyajee.

#### PAPER III.

*(Principles of Political Philosophy).*

Mr. D. G. Chattoraj.

#### PAPER IV.

*(Public Administration).*

Mr. S. C. Ray.

Dr. P. N. Banerjee.

Mr. J. P. Niyogi.

### 6TH-YEAR CLASS.

#### Group A.

#### PAPER V.

*(History of Economics).*

Mr. A. C. Sengupta.

„ J. C. Sinha.

PAPERS VI-VII.

(i) *Banking and currency.*

Mr. J. C. Kydd.  
„ B. K. Sarkar.

(ii) *International Trade.*

Mr. J. C. Goyajee.  
„ K. B. Saha.

(iii) *Statistics and Demography.*

Mr. S. M. Sanyal.

(iv) *Mathematical Economics.*

Mr. P. C. Ghosh.  
„ S. M. Sanyal.

**Group B.**

PAPER V.

*History of Political Philosophy.*

Dr. P. N. Banerjee (Ancient).  
Mr. P. D. Mukherjee (Modern and Mediæval).

PAPERS VI-VII.

(i) *Comparative Politics.*

Mr. B. B. Sen (Ancient).  
„ P. N. Banerjee (Modern).

(ii) *Sociology.*

Mr. R. K. Mookerjee.

(iii) *International Law.*

Mr. S. C. Chakrabarti.

PAPER VIII.

(a) Famines—Dr. P. N. Banerjee.  
(b) Co-operation—Mr. P. D. Mukherjee.

- (c) Railways—Mr. S. C. Ray.
- (d) Industrial Organisation—Mr. R. M. Chaudhuri.
- (e) Currency Problems—Prof. C. J. Hamilton.
- (f) Land Systems—Mr. S. C. Ray.

### TUTORIAL WORK.

The total number of students in the 5th-year and 6th-year Classes were divided into 35 batches of 4 or 5 each. To each member of the staff were assigned several of these batches according to the following plan, so that each such batch was in charge of a particular teacher throughout the year.

The following lecturers were in charge of the various groups :—

- |                         |                            |
|-------------------------|----------------------------|
| 1. Mr. R. M. Chaudhuri. | 7. Mr. R. C. Rau.          |
| 2. „ P. C. Ghosh.       | 8. „ S. M. Sanyal.         |
| 3. „ J. P. Niyogi.      | 9. Dr. P. N. Banerjee.     |
| 4. „ K. B. Saha.        | 10. Mr. S. C. Chakrabarti. |
| 5. „ B. K. Sarkar.      | 11. „ D. G. Chattoraj.     |
| 6. „ J. C. Sinha.       | 12. „ R. K. Mookerjee.     |

Each student was required to write, on an average, one short essay in two weeks on a prescribed subject, after he had an opportunity to study it in accordance with a course of reading indicated by his teacher. These were corrected at home by the teacher, who afterwards met the students in small groups to question them on points which arose on the exercises and on cognate topics.

The teaching and tutorial staff employed in the Department consists of 17 members, of whom 4 were appointed during the year mainly with the view of encouraging the study of Mathematical Economics and Statistics, for which provision did not exist. Each member of the staff has his own special subject to teach, except in tutorial work for which batches of students of 4 or 5 are assigned to each tutor who gives them instruction and guidance in all the subjects.

As will appear from the above, about 20 subjects are taught in the Department of Economics and Political Science. The teaching work of the Department is so arranged that one teacher—in some cases, two teachers—may be able to specialise in each subject. Great importance is also attached to original work. As regards research, the main purpose of the University is to encourage the advancement of Economic Science as applied to Indian conditions. This is a subject which offers a vast and as yet unexplored field for original work, and it is as fascinating as it is of vital importance to the country. Some of the teachers



in the Department have already made important contributions to the study of different branches of Economics and Political Science, and their works have received recognition in India as well as in Europe. Other teachers are engaged in investigations in their special branches of study. On the recommendation of the Board of Higher Studies in Economics, the Council and the Senate decided that the following teachers should undertake systematic researches in the subjects mentioned against their names and to embody the results either in lectures or in books:—

1. Mr. J. C. Sinha—Economic History of India.
2. „ J. P. Niyogi—Indian Tariff History.
3. „ Ramchandra Rau—Banking in India.

They are expected to produce substantial results within a period of two years. It has also been decided to have books prepared containing selections from official documents on the following subjects:—

1. Land Tenures and Land Legislation.
2. Indian Currency.
3. Railways.
4. Customs Duties.

A Board, consisting of the following Editors, has been appointed for the purpose:—

- Mr. Satischandra Ray, M.A.  
 Dr. P. N. Banerjee, M.A., D.Sc.  
 Mr. J. C. Coyajee, B.A., LL.B.  
 „ Panchanandas Mookerjee, M.A.

As there are peculiar difficulties in procuring old documents, the progress of work is necessarily slow.

During the last session, Mr. Radhakamal Mookerjee made a tour of investigation in Mysore, Cochin and Travancore, and in the interior of the districts of Tanjore, Trichinopoly, Madura and Tinnevely, delivering lectures before the Madras University, and before the Economic Associations of its affiliated Colleges. He submitted an interesting report on the social and economic conditions of South Indian villages, and in particular the evils of slum-life in congested industrial areas. He also delivered a series of lectures here setting forth communalism as the type of Indian economic organisation and placing it in relation to Regional and Universal Economics. Mr. Ramchandra Rao visited some parts of Madras to study the indigenous systems of banking.

For the encouragement of research work in the department, Babu Satischandra Ray, a member of the teaching staff, has made a gift to the University of 100 shares in the Calcutta Tramways

Co. (of the nominal value of Rs. 10,000) for the purpose of awarding a gold medal together with prize every alternate year to the author of the best original thesis on any topic connected with Indian Politics, Sociology and Economics. The subjects for the theses for the years 1919 and 1921 are respectively—

(1) Growth and movement of the population in Bengal since 1881, and their economic effects.

(2) Conditions of living of the middle-class people in Calcutta, and their effects on the health and morals of the rising generation.

Mr. J. Donovan, Registrar, Co-operative Societies in Bengal, suggested that the Calcutta University might use its influence for encouraging students to take up a practical study of Co-operation. In accordance with this suggestion, a scheme was prepared by the Board of Higher Studies and accepted by the Council and the Senate for the award of two annual prizes, to be competed for by graduates of not more than 10 years' standing, for the best essays on Co-operation based on a practical study of the co-operative movement.

The Syllabuses of the Lectures of the Economics Department were printed by the University and circulated to the students.

### **Pure Mathematics.**

The staff was constituted as follows :—

Dr. Haridas Bagchi, M.A., Gold Medallist, 1908; P.R. Student, 1910; Ph.D., 1912; formerly Professor, Cotton College, Gauhati.

Babu Hariprasanna Banerjee, M.Sc. (Allahabad), Gold Medallist, 1914.

„ Satischandra Basu, M.A., 1896; Professor, Vidyasagar College, Calcutta.

„ Indubhushan Brahmachari, M.A., Gold Medallist, 1896; P.R. Student, 1898; formerly Professor, Cotton College, Gauhati and Scottish Churches College, Calcutta.

Dr. C. E. Cullis, M.A. (Cantab.), Ph.D. (Jena); formerly Senior Professor of Mathematics, Presidency College. Hardinge Professor.

Babu Sasindrachandra Dhar, M.Sc., Gold Medallist, 1916.

„ Surendramohan Ganguli, M.Sc., Gold Medallist, 1912; P. R. Student, 1914. Government of Bengal Research Scholar, 1913. Sometime Senior Professor of Mathematics, Christ Church College, Cawnpur.

„ Satischandra Ghosh, M.A., Gold Medallist, 1912, formerly Professor, Scottish Churches College, Calcutta.

Babu Manoranjan Gupta, M.Sc., Class I, 1913.

„ Narendrakumar Majumdar, M.A., Gold Medallist, 1912.

Dr. Syamadas Mookerjee, M.A., 1890; Ph.D., 1910; formerly Professor, Presidency College and Hughli College.

The following course of lectures were delivered :—

### 5TH-YEAR CLASS

Paper I. Algebra and Trigonometry.

Mr. S. Dhar.

„ M. Ghosh.

Paper II. Theory of Equations and Algebra of Quantics.

Mr. I. B. Brahmachari.

Paper III. Plane Analytical Geometry and Higher Plane Curves.

Mr. S. M. Ganguli.

Paper IV. Geometry of Surfaces.

Dr. H. D. Bagchi.

Paper V. Differential and Integral Calculus.

Mr. M. Gupta.

„ S. C. Ghosh.

Paper VI. Mr. N. K. Majumdar.

H. P. Banerjee.

A. Theory of Functions :

(i) Real Variable : ... Dr. S. D. Mookerjee.

Mr. M. Gupta

(ii) Complex Variable : ... Mr. J. P. Banerjee.

„ S. M. Ganguli.

B. Theory of Groups : ... Mr. N. K. Majumdar.

Dr. S. D. Mookerjee.

C. Finite Differences and

Calculus of Functions : ... Mr. N. K. Majumdar.

„ S. Dhar.

D. Vector Analysis and

Quaternions : ... Dr. H. D. Bagchi.

Mr. S. C. Ghosh.

E. Projective Geometry :

Euclidean : ... Mr. I. B. Brahmachari.

„ S. C. Bose.

Non-Euclidean : Dr. S. D. Mookerjee.

Mr. S. M. Ganguli.

- F. Theory of Numbers : ... Mr. H. P. Banerjee.  
 „ M. R. Gupta.

### 6TH-YEAR CLASS.

- Paper I. ... Mr. H. P. Banerjee.  
 „ S. Dhar.  
 Paper II. ... Mr. I. B. Brahmachari.  
 Paper III. ... Mr. S. M. Ganguli.  
 Paper IV. ... Dr. H. D. Bagchi.  
 Paper V. ... Mr. M. Gupta and  
 Mr. S. Ghosh.  
 Paper VI. ... Mr. N. K. Majumdar and  
 Mr. H. P. Banerjee.  
 A. Theory of Functions : ... Dr. Mookerjee.  
 „ Mr. H. P. Banerjee.  
 B. Theory of Groups : ... Dr. Mookerjee.  
 „ Mr. N. K. Majumdar.  
 B. Finite Differences etc. ... Mr. N. K. Majumdar.  
 „ S. Dhar.  
 C. Vector Analysis and Quaternions. ... Dr. H. D. Bagchi.  
 „ Mr. S. C. Ghosh.  
 D. Projective Geometry : ... Mr. I. B. Brahmachari.  
 „ S. C. Bose.  
 „ S. M. Ganguli.  
 E. Theory of Numbers : ... Mr. H. P. Banerjee.  
 „ M. Gupta.

A feature of the classes is the large number of special subjects in which lectures are now given, and the corresponding large choice which is open to students.

The teaching work has been greatly hampered by the closing of the classes since the beginning of October on account of the Influenza Epidemic, which also caused the repeated postponement of Dr. Cullis's lectures on Higher Algebra.

Papers by Dr. Syamadas Mookerjee, Mr. Surendramohan Ganguli, Mr. Sasindrachandra Dhar and Dr. Cullis have been published in the Bulletin of the Calcutta Mathematical Society, and the Second Volume of Dr. Cullis's work on Matrices and Determinoids has appeared.

Some research work has been carried on under Dr. Cullis's guidance by Mr. Kameswar Das (Assam Government Research Scholar) and Mr. Asutosh Pal (Professor in the Ripon College). The subjects of investigation have been :—

(1) The Eliminant of two homogeneous quadratic functions of three variables.

(2) The relations between the Elementary Symmetric Functions of the elements of  $r$  sequences of  $n$  variable.

(3) The general Commutant of two canonical square matrices

The Syllabuses of the lectures of the Pure Mathematics Department were printed by the University and circulated to the students.

### Indian Vernaculars.

During the session under review, on the recommendation of the Council of Post-Graduate Teaching in Arts, the Senate at its meeting held on the 31st August, 1918, sanctioned a scheme for the preparation of a series of volumes of typical selections to facilitate advanced study of the Indian Vernaculars in their critical, scientific, historical and comparative aspects with a view to include them as subjects for the degree of Master of Arts of this University. This scheme, which was initiated by the Hon'ble Sir Asutosh Mookerjee, the President of the Council was first considered by a joint meeting of the Board of Higher Studies in Sanskrit, Pali, Arabic and Persian, and Comparative Philology. For the purpose of editing the aforesaid selections the following arrangements were made :—

Marathi	...	Mr. D R. Bhandarkar, M.A., Carmichael Professor of Ancient Indian History and Culture.
Prakrit	...	Dr. P. D. Gunne, M.A., Ph.D., under the guidance of Sir Ramkrishnagopal Bhandarkar, K.C.I.E., M.A.
Assamese	...	Srijut Hemchandra Goswami, author of Assamese Lexicon Hemaposhha.
Pali	...	Mahamahopadhyay Dr. Satischandra Vidya-bhushan, M.A., Ph.D., and Dr. Benimadhab Barua, M.A., D.Litt.
Oriya	...	Babu Bejoychandra Majumdar, B.A.
Hindi	...	Lala Sitaram, B.A.
Gujarati	...	Prof. I. J. S. Taraporewala, B.A., Ph.D. Prof. A. B. Dhruva, M.A., LL.D.
Urdu	...	The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.

In a Joint-Meeting of Board of Higher Studies in Sanskrit, Pali, Arabic and Persian, and Comparative Philology, dated the 30th August, 1918, a Memorandum drawn up by the President proposing changes in the Regulations with a view to include Indian Vernaculars as subjects for the M.A. Examinations was considered. The Senate unanimously adopted the recommendation and the Government of India sanctioned the Scheme on the 3rd February, 1919.

For the purpose of carrying on the work of the Department of Indian Vernaculars in the scheme of Post-Graduate Studies, text-books have been prescribed, and the following arrangements

have been made to take effect from the commencement of the ensuing session :—

#### PAPER I.

History of Bengali Literature from the earliest times down to 1850.

*Special Period.*—Vaisnab Literature during the Sixteenth Century.

Books recommended :—

D. C. Sen ... History of Bengali Language and Literature.

D. C. Sen .. Vaisnab Literature of Mediaeval Bengal.

D. C. Sen ... Chaitanya and his Companions.

#### PAPER II.

(1) Vanga Sahitya Parichaya, edited by D. C. Sen, Vol. I, pp. 27-101.

(2) Mayanamatir Gan, edited by Nalinikanta Bhattacharya (Dacca Sahitya Parishad).

#### PAPER III.

Makundaram Kabikankan—Chandimangal.

Michael Madhusudan Datta—Meghnadbadh.

#### PAPER IV.

(a) Development of prose style in Bengali Literature, 1800-1857.

(b) Influence of Western Culture on Bengali Literature, 1857-1880.

In Papers II and III, 75 marks shall be allotted to the texts and 25 marks to the unseen passages.

Questions on the texts shall include :—

(a) Questions of the subject matter and on the language of the prescribed books (historical, geographical, critical questions and literary allusions are not excluded).

(b) Questions on Grammar and Prosody arising from the texts.

(c) Questions on the life and literary career of the authors whose works are prescribed.

The work in Bengali in the Post-Graduate Department of the University will be distributed amongst the staff as follows :—

#### PAPER I.

Rai Sahab D. C. Sen, B.A.

## PAPER II.

Rai Saheb D. C. Sen, B.A.

Babu Basantaranjan Ray.

## PAPER III.

Babu Jogindranath Basu, B.A. (Meghnadbadh).

Babu Charuchandra Banerjee, B.A. (Chandimangal.)

## PAPER IV.

Babu Praphullachandra Ghosh, M.A. (Influence of Western Culture).

Babu Susilkumar De, M.A. (Bengali Prose Style).

The undermentioned gentlemen will undertake instruction in the Subsidiary Vernaculars mentioned : -

Assamese	...	Mr. Ambikanath Borah, M.A.
Oriya	...	Mr. B. C. Majumdar, B.A.
Hindi	...	Babu Brajamohan Thakur, M.A.
Marathi	{	Prof D. R. Bhandarkar, M.A.
	{	Pandit Sitaram Sastri.
Gujarati	{	Dr. I. J. S. Taraporewala, B.A., Ph.D.
	{	Pandit Hargobinda Das Sheth.
Telegu		Mr. K. Rangachari, B.A.
Tamil		Pandit Laksman Sastri.
Kanarese		Mr. Poona Appaji Rao, B.Sc.
Malayalam		Pandit Anantakrishna Sastri.
Singhalese		Rev. R. Siddhartha.
Urdu		The Hon'ble Dr. A.M. Suhrawardy, Ph.D.

Until further orders, the list of basic languages will include the following :—

Prakrit.

Pali.

Persian.

The undermentioned gentlemen will give instruction in the following languages :—

Prakrit	...	Mahamahopadhyay Dr. Satischandra Vidyabhushan, M.A., Ph.D.
Pali	...	Babu Sailendranath Mitra, M.A.
Persian	...	Aga Kazim Shirazi.

The following gentlemen will give instruction in the Philology of the Vernaculars :—

Babu Muralydhara Banerjee, M.A.

Mr. B. C. Majumdar, B.A.

Babu Sunitikumar Chatterjee, M.A.

In each subsidiary language, the best qualified student will be granted a stipend of Rs. 15 a month tenable for two years, as also a free-studentship (law students are not entitled to the benefit of this resolution).

### Publication.

During the session the following important works were printed and published by the University Press for the benefit of Post-Graduate students :—

- (1) "Man and Machine Power" by Captain J. W. Petavel, R. E. (Retired).
- (2) An English version prepared by Mr. S. K. Maitra, M.A., of the treatise on "Philosophical Currents of the Present Day" by Dr. Ludwig Stein, Professor of Philosophy, University of Berlin, in two volumes.
- (3) Prolegomena to Buddhist Philosophy by Dr. B. Barua, M.A., D.Litt. (London), University Lecturer in Pali and Ancient Indian History and Culture.
- (4) "Theory of Plane Curves" by Mr. S. M. Ganguli, M.Sc., University Lecturer in Pure Mathematics.
- (5) "Carmichael Lectures," 1918, Volume I, by Professor D. R. Bhandarkar.
- (6) "Bengali Literature in the Nineteenth Century" by Mr. S. K. De, M.A., University Lecturer in English.

### Residence of Students.

Owing to want of suitable houses the question of proper accommodation for students is always complicated. The problem of housing the students cannot be successfully dealt with unless sufficient funds are forthcoming. Students, who study both for the M.A. and the Law Examinations, are generally housed in Law College Hostels and Messes under the supervision of the Law College authorities. Students who read only for the M.A. or M.Sc. Examinations are housed by the Post-Graduate Department. Of these, this Department is not directly responsible for the residence of students who are attached to colleges in Calcutta. For accommodating purely Post-Graduate students, during the session under review, the following arrangements were made :—

1. A mess was opened at 50/3B, Srigopal Mallik Lane, which could accommodate 30 boys and was under the superintendence of Babu Kailaschandra Chakrabarti, M.Sc., helped by Babu Jogendradas Chaudhuri, M.A.

2. The second mess was opened at 75/5A, College Street and Babu Sasindrachandra Dhar, M.Sc., one of the University



Lecturers in Pure Mathematics assisted by Babu Radhakissen Das, M.Sc., as Assistant Superintendent was in charge of the students. The mess could accommodate 40 students.

3. A third mess was opened at 135, Bowbazar Street, under the superintendence of a teacher of the Government Hare School, assisted by Babu Nagendranath Mookerjee, M.A.

These messes are regularly visited by the Secretary assisted by a whole-time officer who is an M.A. of the University. Besides these 3 messes there was un-attached mess at 19, Baitakkhana Road.

No case of breach of discipline was reported from any of these messes. During the period of prevalence of Epidemic in the town, there were several cases of small-pox and influenza which were readily attended to by the Medical Officer of the Department, Babu Anilanganath Banerjee, M.B., whose duty it is to go round daily visiting the messes. Except in one case, which ended fatally, all the cases were cured.

With regard to residence of students living with parents and *bona-fide* guardians in Calcutta, each individual case was scrutinised by the Inspector on the spot and entries made in the record of the Department. As a result of this scrutiny, students who before this used to reside in unlicensed messes were compelled to live either under *bona-fide* guardians or in recognised messes under the Department.

Cases of students in utter indigent circumstances, who could not stay in the messes after paying the necessary expenses of their education, were reported by the Inspector to the Hon'ble the President and the Executive Committee, and after a very careful investigation into these cases, these boys were allowed to reside in the messes free of charge.

### **Arrangement for the Teaching of Modern Languages.**

Mons. Alfonse Marie Leonard Vonek was appointed Instructor in Modern languages to assist Post-Graduate Teachers and selected advanced students in acquiring a knowledge of Tibetan, Chinese, German and Dutch. Mons. Vonek during the last session held regular classes in all the aforesaid subjects. Post-Graduate students other than scholars paid tuition fee at the rate of Rs. 3 per month.

Besides Mons. Vonek, Mr. R. Kimura was appointed Instructor in Japanese for the benefit of the University teachers and advanced students; he held the class regularly for two hours on Saturdays. Mr. Kimura is also a University Lecturer in the departments of Pali and Ancient Indian History and Culture where he delivered series of lectures on "Mahayanian Philosophy"

for the benefit of the Pali and History students of the Ancient Indian History and Culture.

In June, 1918 on the recommendation of the Board of Higher Studies in Pali Mr. J. Masuda, Late Senior Fellow at the Indian Institute of Philosophy, Amalner (Bombay), was appointed Lecturer on Chinese-Buddhism and Instructor in Chinese. Several students and teachers have been taking advantage of the appointment.

Mahamahopadhyay Dr. Satischandra Vidyabhushan has since September last been employed in preparing a catalogue of the works embodied in the Tibetan Encyclopaedias Kangyur and Tangyur. These Encyclopaedias, which were edited by the great Tibetan sage Bu-ston under orders of the Tibeto-Chinese-Mongol Emperor Kublai Khan in 1270 A.D. contain the Tibetan versions of more than five thousand Sanskrit works on literature, grammar, rhetoric, history, philosophy, astronomy and medicine carried to Tibet by the numerous Buddhist monks that took refuge there specially in the 12th Century A.D., when they were cruelly persecuted in India.

### Extension Lectures.

Captain J. W. Petavel, R.E. (Retd.), was invited early in January last to deliver a course of five lectures on "Poverty Problem." These lectures were regularly and largely attended by the members of the University staff, the students and the public in general. These lectures when delivered were embodied in a volume published by the University under the title "Man and Machine Power." This book was very much appreciated here and abroad and a number of public-spirited gentlemen voluntarily subscribed to the "Poverty Problem Study Fund" started by the University :—

	Rs.
Sir Dorab Tata	500
Mr. Khea Za Rhee	250
Mr. A. Cameron	100
Sir A. Birkmyre	50
Mr. C. D. Pickford	50
Sir Daniel Hamilton	50
Dr. D. N. Maitra	25
Mr. J. N. Mehta	250
„ Tricamdas Bhoja	101
„ Norman Ross	100
„ R. N. Newson	25
<b>Total</b>	<b>1,476</b>

These contributions to the University were made with a view to facilitate (a) delivery and publication of further course of lecture on the subject of reconstruction during and after the war and (b) the award of prizes to students who might regularly attend the class and acquit themselves satisfactorily in a test to be held on the conclusion of the lectures. The lectures will be open only to under-graduates and graduates.

The following prizes will be awarded :—

	Rs.
First Prize . . . . .	100
Second Prize . . . . .	75
Third, Fourth, Fifth, and Sixth-Prizes	Rs. 50 each.

Mr. R. Shama Sastri, B.A., late Principal, Chamarajendra College, Bangalore and now Curator, Government Oriental Library, Mysore, one of the foremost authorities on Ancient Indian Polity with special reference to Arthasastra of Kautilya (which forms an important part of the course prescribed in this University for M.A. students in History, in Comparative Politics and in Social and Constitutional History section of Ancient Indian History and Culture), delivered a course of ten lectures on Indian Polity during the Vedic and Buddhistic Period according to the following scheme :—

- (1) Tribal form of Government.
- (2) Elective Monarchy.
- (3) The Kshatriyas.
- (4) The Samiti or the Assembly of the People.
- (5) The prerogatives of Kings and of the Priests.
- (6) The influence of Jainism and Buddhism on the political conditions of India.
- (7) The Brahman Politicians of the Kautilya period and their Empire Building Policy.
- (8) Espionage.
- (9) The origin of Theocratic Despotism.
- (10) Condition of the People, Education, Agriculture, Industry and Trade.

Mr. Shama Sastri during his stay in Calcutta also took regular classes on the text of the Arthasastra and quite a number of University teachers and students regularly attended them.

Mr. D. R. Bhandarkar, M.A., Carmichael Professor of Ancient Indian History and Culture, delivered a series of interesting lectures, the first of which was illustrated by lantern slides on Ancient Indian Archaeology. His lectures delivered during last year have now been published in book

form by the University. The Professor also delivered lectures on the following subjects :—

- I. Antiquity and origin of the old Indian Alphabet.
- II. Was Sanskrit a spoken Language ?
- III. Inter-relation of Sanskrit and Pali.

These lectures were largely attended and great interest was evinced in these by the students and the public in general.

Pandit Kokileswar Sastri, M.A., delivered a course of lectures on Vedanta Philosophy.

Mr. J. N. Das Gupta, B.A. (Oxon.), in March last delivered lectures on " Lord William Bentinck and Indian Vernacular Education in Bengal " which were largely attended.

Mr. B. C. Majumdar, B.A., University Lecturer in the department of Comparative Philology, delivered a course of lectures on the " History of Bengali Language."

Babu Hemchandra Raichaudhuri, University Lecturer in History, delivered a course of lectures on " Early History of Vaisnavism."

Dr. C. E. Cullis, M.A., Ph.D., Hardinge Professor of Mathematics, delivered a special course of twelve lectures on Algebra according to the following syllabuses :—

The numbers and operations of Algebra.

Domains of rationality.

Rational integral functions of any number variables.

The homogenisation and regularisation of rational integral functions by linear transformations.

The irresoluble and irreducible factors of rational integral functions.

Highest Common Factors.

The roots of rational integral functions.

The fundamental properties of resultants.

The fundamental properties of eliminants.

Symmetric functions of the elements of similar sequences.

Symmetric functions of the common roots of a set of rational integral functions.

Determination of resultants and eliminants.

Relations between a given set of rational integral functions.

Mr. Radhakamal Mookerjee, M.A., University Lecturer on Economics, delivered a series of lectures on the following subjects :—

Comparative Economics.

The Foundations of Economics in Social Psychology.

The Regional Economics of India.

Relativity of Property.

### Library.

The University Library remains open from 7 A.M. to 7 P.M. for the convenience of students attending the Post-Graduate classes. Every facility is given to the students to utilise the Library properly.

The average daily issue of books during the vacation months is below 100—nearly 80, but when the classes are open, the average daily issue comes up to 250.

The number of cards (Library Passes) issued to the students during the last session is 1,070—the best on record.

The Post-Graduate Department of the University started a lending library to afford facilities to the students. Books of reference have, on the recommendation of the University teachers, been purchased and a catalogue is being printed. Arrangements have been made for giving out books to the Post-Graduate students from the beginning of the ensuing session.

The question of accommodation for the various class rooms and the Lending Library, in view of the rapid expansion of the department in both these lines, presents a great difficulty. At present most of the classes are held in the Darbhanga Buildings and the Senate House. The Senate House, where a number of small classes at present are held because no other accommodation is available, has got no rooms and thus is not the proper place for the purpose for which is at present utilised. As regards the Lending Library—the number of books is increasing every month and the question of accommodation presents a great difficulty in the way of the rapid expansion. At present the books are kept in almirahs in the hall in the ground-floor of the Darbhanga Buildings. The hall is not fit for the purpose of a library in as much as there is no sufficient accommodation and the place is very dark even in broad daylight. Unless the proposed building on the site of the present fish-markets is taken in hand and the construction completed at an early date, there will be no proper solution of this difficulty.

### Endowments.

The Hon'ble Maharaja Sir Manindrachandra Nandi Bahadur offered a sum of Rs. 2,000 a year for five years to create the nucleus of a publication fund in connection with the Indian Vernacular scheme. The series to be called after his name.

Kumar Ghanadanath Raychaudhuri of Dubalhati offered a sum of Rs. 600 for the award of a Scholarship of Rs. 25 per month tenable for two years to be called "Rani Syamasundari Scholarship" in the scheme for the inclusion of Indian Vernaculars as subjects of study and Examination for the M.A. Degree.

Dr. Chandrasekhar Kali offered a sum of Rs. 500 as his contribution towards the publication of Old Bengali Texts.

Babu Adharchandra Mookerjee contributed a sum of Rs. 15,000 for award of medals in the Department of Indian Vernaculars and Ancient Indian History and Culture.

Mr. S. C. Ray, University Lecturer on Economics, contributed one hundred shares in Calcutta Tramways Company (face value five pounds each) for award of medal for encouraging original research in a topic connected with Indian Sociology, Economics and Politics.

Mr. R. D. Mehta, C.I.E., contributed Rs. 2,500 for the publication of a volume of Selections from Zend Avesta, the work of which has been entrusted on Prof. Taraporewala of the Comparative Philology department.

The Hon'ble Dr. Abdulla-al-Mamun Suhrawardy made over to the University War Bond (1928) for Rs. 1,000 for the award of medal for encouraging original research work in a topic relating to the Hindu and Islamic Cultures and Civilizations.

Kumar Pramathanath Maliah of Searsole made over Rs. 5,000 to be invested in  $3\frac{1}{2}$  per cent. Government Security for the award of two Gold medals to the authors of the best theses embodying the results of original research in a topic connected, in the case of the first medal, with Hindu Philosophy and, in the case of the second medal, with Vedic studies.

Maharaja Sri Sir Bir Mitrodaya Sing Deo Dharmanidhi, K.C.I.E., Feudatory Chief, Sonapur Feudatory State, Sambalpur, Orissa, made over to the University a cheque of Rs. 1,500 towards the cost of preparing a volume of Typical Selections of Uriya Literature.

Babu Durgacharan Mookerjee placed at the disposal of the University, the sum of Rs. 1,500 in  $3\frac{1}{2}$  per cent. Government Promissory Notes to create a biennial gold medal, to be called the "Durgamoni Devi Gold Medal" to be awarded to that one of the successful candidates for the degree of Master of Arts in Indian Vernaculars, who obtains the highest number of marks.

### **Influenza Epidemic.**

The work of the department during the session under review was greatly impeded owing to the widespread Influenza Epidemic in the town. The classes were closed for the Puja Vacation during the months of October and the first-half of November but owing to the prevalence of the epidemic at that time the work of the class could not be resumed before the beginning of January, 1919. This unfortunately caused a serious dislocation of work and the M.A. Examination for the

current year (which is generally held in the months of June and July) had to be postponed till September, 1919.

### Meetings.

During the session the following meetings were held :—

Meetings of the Council of Post-Graduate Teaching in Arts	...	...	10
Meetings of the Executive Committee of Post-Graduate Teaching in Arts	...	...	21
Meetings of the Board of Higher Studies in English	...	...	10
Meetings of the Board of Higher Studies in Sanskrit	...	...	13
Meetings of the Board of Higher Studies in Pali	...	...	8
Meetings of the Board of Higher Studies in Arabic and Persian	...	...	6
Meetings of the Board of Higher Studies in Comparative Philology	...	...	6
Meetings of the Board of Higher Studies in Philosophy	...	...	7
Meetings of the Board of Higher Studies in Experimental Psychology	...	...	5
Meetings of the Board of Higher Studies in History	...	...	7
Meetings of the Board of Higher Studies in Economics	...	...	9
Meetings of the Board of Higher Studies in Pure Mathematics	...	...	6
Meetings of the Board of Higher Studies in Indian Vernaculars	...	...	2

**APPENDIX.****POST-GRADUATE TEACHING FUND****RECEIPTS.**

		Rs.	A.	P.
	Opening balance	58,270	8	2
1.	Government grant	15,000	0	0
2.	Fees from students	1,24,482	0	0
3.	One-third of Examination fees	2,11,073	0	0
4.	Contribution from fee fund	55,873	0	0
5.	Refund	29	3	3
Grand Total		4,64,727	11	5

**DISBURSEMENTS.**

		Rs.	A.	P.
1.	Post-Graduate Teaching in Arts (A)	3,73,373	9	11
*2.	Post-Graduate Teaching in Science (B)	90,743	4	2
Total		4,64,116	14	1
	Closing Balance	610	13	4
Grand Total		4,64,727	11	5

**(A)****POST-GRADUATE TEACHING IN ARTS.**

	Rs.	A.	P.
Professors and Teachers (including Presidency College teachers during 1917-18)	3,22,765	15	5
Pension Contribution	1,575	0	0
Travelling Allowances	131	7	6
Scholarships	925	0	0
Secretary	6,600	0	0
Assistants	10,246	3	8
Duffries and Menials	2,884	4	1
Contingencies and Stationery	1,498	14	3
Furniture	2,211	5	0
Proportion of Electric Expenses	3,209	8	10
Books and Periodicals	18,048	11	2
Refund	2,602	4	0
Indian Vernaculars	675	0	0
Total	3,73,373	9	11

\* This does not include expenditure on the laboratories.



## (B)

## POST-GRADUATE TEACHING IN SCIENCE.

		Rs.	A.	P.
Professors and Teachers	...	72,828	1	4
Secretary	...	6,000	0	0
Assistants	...	2,040	0	0
Menials	...	544	15	6
Contingencies and Stationery	..	646	14	0
Furniture	...	154	4	0
Books, etc.	...	8,803	1	4
Refund	...	226	0	0
Total		90,743	4	2

RESOLVED—

That the report be laid before the Council.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*Chairman.**Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1919-20.

**No. 2.**

THE 29TH JULY, 1919.

*(In Circulation.)*

Read the following letter addressed to the President by  
Mr. G. C. Bose, M.A. :—

“ 123, LOWER CIRCULAR ROAD.

Calcutta, July 30, 1919.

MY DEAR SIR ASUTOSH,

I beg to make over to the University Government Promissory Notes for Rs. 1,500 (Rupees Fifteen hundred only) bearing interest at  $3\frac{1}{2}$  per cent. for the purpose of creating an endowment in memory of my deceased mother Kshetra Mani Dasi on the following conditions :—

1. That out of the interest of the amount, a prize of books be annually awarded to the student of Post-Graduate classes who passes the M.A. Examination in Bengali most creditably.

2. That the prize be called the “ Kshetra Mani Prize.”

3. That the names of the prizemen be published in the Calendar.

I shall feel obliged if the University would kindly accept my poor offer.

Yours sincerely,  
(Sd.) G. C. BOSE.”

RESOLVED—

That the Executive Committee recommend that the Senate be moved to accept the gift with thanks.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR 1919-20.

**No. 3.**

THE 31ST JULY, 1919.

(*In Circulation.*)

Read the following letter addressed to the Secretary by Professor D. R. Bhandarkar, M.A., and Mahamahopadhyaya Dr. Satischandra Vidyabhusan, M.A., Ph.D. :—

“CALCUTTA,

*30th July, 1919.*

SIR,

We beg to send, herewith, Government security for Rs. 1,000, representing the surplus of sums contributed by the friends and admirers of Sir Asutosh Mookerjee on the occasion of the last anniversary of his birth-day. The income may be applied *for the present* in awarding a prize of books to the most deserving new graduate undertaking the study of Indian Vernaculars in the M.A. examination. More money will be forwarded to you if any yet remains to be paid.

Yours faithfully,

(Sd). D. R. BHANDARKAR.

,, SATISCHANDRA VIDYABHUSAN.”

RESOLVED—

That the Executive Committee recommend that the Senate be moved to accept the gift with thanks.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

**No 4.**

THE 7TH AUGUST, 1919.

*(In Circulation.)*

Read the following letters addressed to the President by the Hon'ble Raja Kirtyanand Sinha Bahadur, B.A., Raj Banaili Kumar Kalikanand Sinha, Raj Srinagar, and Kumar Gangnand Sinha, B.A. :—

“ No. 1200-M

*Dated, Banaili, the 7th August, 1919.*

SIR,

We beg to confirm our telegram of this date “On Pandit Brajamohan Thakur's representation, we jointly offer 1,200 for this year, for creating a Maithili Chair in the University, particulars, money sending through Brajamohan Thakur.”

We have the honour to send per bearer a sum of Rs. 600 being half the amount of our promised contribution and shall be obliged by your placing the same before the Council for creating a Chair in Maithili language for the year 1919-20. We earnestly hope that you will kindly accept the offer and oblige us thereby.

We have the honour to be,

SIR,

Your most obedient servants,

**KIRTYANAND SINHA.  
KALIKANAND SINHA.**

*“Dated, Calcutta, the 7th August, 1919.*

SIR,

Referring to the letter No. 1200-M, dated the 7th August, 1919, of my uncles the Hon'ble Raja Kirtyanand Sinha of Banaili

and Kumar Kalikanand Sinha of Srinagar, I have the honour to state that I promise to pay Rs. 1,200 (Rupees twelve hundred) annually for maintaining the Maithili Chair in the University for at least five years in case it is created with the money offered by my uncles.

I hope you will kindly accept my humble offer and oblige me thereby.

I have the honour to be,

SIR,

Your most obedient servant,

GANGANAND SINHA."

RESOLVED—

That the Executive Committee recommend that the Senate be moved to accept the gift with thanks and that a Lecturership to be called "Raja Kirtyanand Sinha Bahadur and Kumar Kalikanand Sinha Lecturer" be established for a term of 6 years for the promotion of study of Maithili with special reference to research.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts**

FOR THE YEAR 1919-20.

**No. 5.**

THE 8TH AUGUST, 1919.

*(In Circulation.)*

Read the following letter addressed to the President by  
Babu Tankanath Chaudhuri, B.A., Zamindar, Maldwar Estate,  
Dinajpur :--

“ P. O. RANISANKAIL, DT. DINAJPUR.

*Dated, the 7th August, 1919.*

To

The Hon'ble Justice Sir Asutosh Mookerjee, Kt., C.S.I.,  
Saraswati, M.A., D.L., D.Sc., Ph.D., F.R.S.E., etc.,  
President of the Council of Post-Graduate  
Teaching in Arts,  
Calcutta University.

DEAR SIR,

With reference to your Scheme for the instruction of M.A.  
Degree in Indian Vernaculars, I beg to suggest that *Maithili*  
may be included in the curriculum as one of the subjects for the  
Examination, and I am prepared to subscribe Rs. 1,200 a year  
for three years as pay of a Lecturer in *Maithili*. On hearing  
that my humble suggestion and offer have been accepted by the  
University, I shall be glad to send in a Cheque for Rs. 1,200  
for the first year.

Yours faithfully,

TANKANATH CHAUDHURI,  
*Zamindar, Maldwar Estate.”*

**RESOLVED—**

That the Executive Committee recommend that the Senate be moved to accept the gift with thanks and that a Lecturership in Maithili be instituted for a term of 3 years and be named after the donor.

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. MOOKERJEE,**

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

FOR THE YEAR, 1919-20.

**No. 6.**

THE 9TH AUGUST, 1919.

**Present :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President.*

The Hon'ble Sir Devaprasad Sarvadhi- kary, Kt., C.I.E., M.A., LL.D.	The Hon'ble Dr A. Suhrawardy, M.A., Ph.D.
Rev. Dr. G. Howells, M.A., Ph.D.	Professor Brajendranath Seal, M.A., Ph.D.
Rai Bahadur A. C. Bose, M.A.	Mr Girindranackhar Bose, M.Sc., M.B.
Professor H. Stephen, M.A., D.D.	Professor D. R. Bhandarkar, M.A.
Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.	Mr. Bipinbihari Sen, M.A.
Pandit Muralydhar Banerjee, M.A.	Mr. Satishchandra Ray, M.A.
Dr. I. J. S. Taraporewala, B.A., Ph.D.	Dr. Prunathanath Banerjee, M.A., D.Sc.
Rai Sahab Dineschandra Sen, B.A.	Dr. C. E. Collis, M.A., Ph.D.

Read the following Proceedings of the Board of Higher Studies in English, dated the 25th July, 1919 :—

**“ RESOLVED—**

That the time-table for the session 1919-20 annexed to these Proceedings be approved.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Sanskrit, dated the 25th July, 1919 :—

**“ RESOLVED—**

That the time-table for the session 1919-20 annexed to these Proceedings be approved.”

**RESOLVED—**

That the Proceedings be confirmed.



Read the following Proceedings of the Board of Higher Studies in Pali, dated the 25th July, 1919 :—

“RESOLVED—

That the time-table for the session 1919-20 annexed to these Proceedings be approved.”

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Arabic and Persian, dated the 25th July, 1919 :—

“RESOLVED—

That the time-table for the session 1919-20 annexed to these Proceedings be approved.”

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 25th July, 1919 :—

“RESOLVED—

That the time-table for the session 1919-20 annexed to these Proceedings be approved.”

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Economics, dated the 25th July, 1919 :—

“RESOLVED—

That the time-table for the session 1919-20 annexed to these Proceedings be approved.”

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Pure Mathematics, dated the 25th July, 1919 :—

RESOLVED—

That the time-table for the session 1919-20 annexed to these Proceedings be approved.”

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Comparative Philology, dated the 26th July, 1919 :—

“Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

It was arranged that Dr. Taraporewala should deliver all the lectures in the Fifth-year Class till November (6 lectures a week).

It was resolved that the course in Avesta for 1921 be the same as in 1920 (this modifies the resolution of the Board, dated 9th

December, 1918, confirmed by the Executive Committee on 18th December, 1918)."

**RESOLVED—**

That the Proceedings be confirmed.

9. Read the following Proceedings of the Board of Higher Studies in Philosophy, dated the 26th July, 1919.

"On the motion of Dr. Seal, seconded by Mr. J. R. Banerjee, Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

**RESOLVED—**

That the time-table for the current session annexed to these Proceedings be approved."

**RESOLVED—**

That the proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Experimental Psychology, dated the 26th July, 1919.

"On the motion of Dr. Seal, seconded by Dr. Haldar, Sir Asutosh Mookerjee, Kt., C.S.I., was elected Chairman of the Board for the session 1919-20.

**RESOLVED—**

That the time-table for the current session annexed to these Proceedings be approved."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Indian Vernaculars, dated the 7th August, 1919 :—

**"RESOLVED—**

That the Time-Table annexed to these Proceedings be approved.

**RESOLVED—**

That Maithili be added to the list of Subsidiary languages.

**RESOLVED—**

That the stipends be awarded as follows :—

#### **ASSAMESE.**

Jatindrakumar Biswas, B.A. (Honours).

#### **ORIYA.**

Bishnucharan Bhattacharyya, B.A. (Honours).

#### **HINDI.**

Praphullachandra Chaudhuri, B.A. (Honours).

#### **GUJARATI.**

Phanindranath Mookerjee, B.A. (Pass).

**MARATHI.**

Ambicachandra Das, B.A. (Pass).

**TELEGU**

Bibhuti Kanthal, B.A. (Distinction).

**TAMIL.**

Ramecharan Maitra, B.A. (Pass).

**CANARESE.**

Narasinhakumar Mustafi, B.A. (Pass).

**MALAYALAM.**

Nagendranath Ghosh, B.A. (Distinction).

**SINGHALESE.**

Bibhutibhusan Banerjee, B.A. (Honours)."

**RESOLVED—**

That the Proceedings be confirmed.

Read three letters from Babu Sunitikumar Chatterjee, M.A., University Lecturer in English and Comparative Philology,

(i) stating that he has agreed to abide by the conditions imposed on him by the Executive Committee in granting him study leave for two years with an allowance of Rs. 100 per month with effect from the 15th August, 1912 (Executive Committee, dated the 2nd July, 1919), also

(ii) requesting that his pay for the fifteen days of August, may be paid to him in advance and

(iii) that he may be allowed to enjoy the rights and privileges of the Members of the Post-Graduate Staff during the period he will be out of India on leave.

**RESOLVED—**

That the requests be granted.

Read a letter from Rao Bahadur B. A. Gupte, University Lecturer in Ancient Indian History and Culture, presenting a copy of Gramanyacha Sadyant Itihas to the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That Mr. Gupte be thanked for his gift.

The Secretary reported that, by instruction of the Hon'ble the President, Babu Anilanganath Banerjee, M.B., has been permitted to continue as Medical Officer of the Post-Graduate Students' Messes for the current session.

**RESOLVED—**

That Dr. Anilanganath Banerjee, M.B., do continue as Medical Officer to the Post-Graduate Messes and that in view

of the increase in the number of Messes his remuneration be fixed at Rs. 75 per month from 1st June, 1919.

The Secretary reported (i) that Chintaman Ganesh Wazahdar, who passed the B.A. Examination of the Allahabad University and obtained the permission of the Registrar, Allahabad University, to read in this University, had been provisionally permitted to join the University Post-Graduate Class in English.

(ii) that Amiyendrkrishna Bose, who passed the B.A. Examination of the Allahabad University and obtained the permission of the Registrar of the Allahabad University to read in the Calcutta University, has been provisionally permitted to join the University Post-Graduate Class in Economics.

(iii) that Manzur Ahmed Chaudhuri, who passed the B.A. Examination of the Allahabad University and obtained the permission of the Registrar of the Allahabad University to read in the Calcutta University, has been provisionally permitted to join the University Post-Graduate Class in Economics.

**RESOLVED—**

That the action taken be approved and the sanction of the Syndicate be obtained to the recognition of the B.A. degree obtained by the applicants at Allahabad.

The Secretary reported (i) that M. Ramamoorti, who passed the B.A. Examination of the Madras University and obtained the permission of the Registrar of the Madras University to read in the Calcutta University, has been provisionally permitted to join the University Post-Graduate Class in Pure Mathematics.

(ii) That K. Hanumantharam, who passed the B.A. Examination of the Madras University and obtained the permission of the Registrar of the Madras University to read in the Calcutta University, has been provisionally permitted to join the University Post-Graduate Class in Economics.

**RESOLVED—**

That the action taken be approved and that the sanction of the Syndicate be obtained to the recognition of the B.A. degree obtained by the applicants at Madras.

Read a letter from Mr. D. V. Potdar, B.A., Honorary Secretary, Bharata-Itihas-Sansodhak-Mandal, Poona, requesting that he may be paid Rs. 100 in advance for the supply of Marathi books for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the amount be advanced to the Bharata-Itihas-Sansodhak Mandal to meet the cost of books as also the necessary advertisements.

The Secretary submitted travelling allowance bill for Rs. 158-2 from Bhikkhu K. Devarakshita for his journey from Colombo to Calcutta to join his appointment as University Lecturer in Pali.

**RESOLVED—**

That the amount be paid.

The Secretary submitted a bill for Rs. 23-10 from Messrs. Chakrabarti, Chatterjee & Co. for supplying books on Statistics for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill for Rs. 21-6 from Messrs. H. M. Ganguli & Co., Cabinet-makers, for supplying furniture.]

**RESOLVED—**

That the bill be paid.

The Secretary placed on the table theses marked A, B, C, D and E submitted by candidates for the ensuing M.A. Examination.

**RESOLVED—**

(1) That in each case whenever practicable the University Teacher under whose direction the candidate has prepared the thesis required by the Regulations should be a member of the Board appointed to examine his thesis.

(2) That the Boards be constituted but the names not published.

Read a letter from the Hon'ble Dr. A. Subhawardy, M.A., Ph.D., University Lecturer in History and Arabic and Persian, requesting that he may be granted leave for a fortnight with effect from the 6th August, 1919, as he is in indifferent health.

**RESOLVED—**

That leave be granted.

Read a letter from the Hon'ble Mr. R. P. Paranjpe, M.A., Principal, Fergusson College, Poona, forwarding a cheque for Rs. 225-2, being the balance due to the University out of Rs. 500 paid in advance to the late Professor H. G. Limaye of the aforesaid College for purchase of books on Marathi Language.

The Secretary stated that Professor Limaye was paid Rs. 500 on the 22nd May, 1918, for purchase of books on Marathi Language for the Lending Library of the Post-Graduate Department. The Professor supplied books to the amount of Rs. 274-14 but owing to his sudden death the books for the balance of the amount were not received.

**RESOLVED—**

That the sum be placed to the credit of the Post-Graduate Fund and Principal Paranjpe be thanked for his kind assistance in the matter.

The Secretary placed before the meeting a list of students of the Post-Graduate Department who have been granted Free-studentships for the current session in the Fifth-year Class (the list was prepared by the Hon'ble the President in consultation with four Members of the Executive Committee).

**RESOLVED—**

That the awards be confirmed.

The Secretary reported the sudden death of Khan Bahadur Maulavi Muhammad Ibrahim, B.A., University Lecturer in Persian and, further, that out of respect to the memory of the deceased the Arabic and Persian Classes of the University were closed on Tuesday, the 5th August, 1919.

**RESOLVED—**

That a letter of condolence be addressed to the eldest son of the late Khan Bahadur.

Read a letter from the Registrar, Mysore University, requesting that Messrs B. Venkataruniah and T. S. Chandrasekhariah, who passed the B.A. Examination of that University this year, may be admitted to the University Post-Graduate Classes in Economics and History respectively.

**RESOLVED—**

That they be admitted to the classes and the sanction of Syndicate be obtained to the recognition of the B.A. degree obtained by them at Mysore.

Read a letter from Rai Sahab Dineshchandra Sen, B.A., University Lecturer in Indian Vernaculars, requesting sanction to the appointment of a peon in connection with the work of cataloguing the old Bengali MSS.

**RESOLVED—**

That the Secretary be authorised to appoint a peon at Rs. 12 per month

The Secretary requested that a temporary assistant might be appointed to officiate in the place of Babu Dhirendranath Basu, who had been granted leave for 8 months (Executive Committee, dated the 22nd July, 1919).

**RESOLVED—**

That Jitendranath Bhattacharyya, B.A., be appointed on Rs. 40 a month.

Read a memo. from Dr. N. N. Sengupta, University Lecturer in Experimental Psychology, forwarding an application from Sivadas Majumdar, who passed the B. Sc. Examination in 1913 and has been working as a Demonstrator for over 3 years in the Carmichael Medical College, Belgachia, requesting permission to be admitted to the Experimental Psychology Class as a casual student with a view to enable him to complete practical training in the Laboratory under a University Lecturer.

RESOLVED—

That the application be granted and that half the usual fee be charged from him.

The Secretary requested sanction of payment of Rs. 287-14-3 (547 Swiss Francs) to Mr. P. Hermann of Zürich for supply of two sets of Anthropometrical instruments for the Department of Ancient Indian History and Culture (Executive Committee dated the 27th September, 1918).

RESOLVED—

That the payment be sanctioned.

Read a letter from Dr. Haridas Bagehi, M.A., Ph.D., University Lecturer in Pure Mathematics, requesting that he may be granted leave for a fortnight with effect from the 8th August, 1919, on ground of ill-health.

RESOLVED—

That leave be granted.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*Chairman.*

*Secretary.*

# : Proceedings of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

**No. 2.**

THE 13TH AUGUST, 1919.

## Present :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., *President, in the Chair.*

Rai Bahadur A. C. Bose, M.A.	Babu Prabhatchandra Chakrabarti, M.A.
Babu Dhireschandra Acharyya, M.A.	Babu Satishchandra Chakrabarti, M.A.
„ Charuchandra Banerjee, B.A.	A. K. Chanda, Esq., B.A.
„ Gauranjanath Banerjee, M.A.	Babu Nalinimohan Chatterjee, M.A.
„ Hariprasanna Banerjee, M.Sc.	Babu Nirmalchandra Chatterjee, M.A.
„ Indubhushan Banerjee, M.A.	„ Satishchandra Chatterjee, M.A.
J. R. Banerjee, Esq., M.A.	„ Rohinimohan Chaudhuri, M.A.
Babu Manmathanath Banerjee, M.Sc.	Dr. C. E. Cullis, M.A., Ph.D.
„ Muralidhar Banerjee, M.A.	J. N. Das Gupta, Esq., B.A.
„ Narayanchandra Banerjee, M.A.	Babu Nalinaksha Datta, M.A.
Dr. Pramathanath Banerjee, M.A., D.Sc.	„ Babindramohan Datta, M.A.
Babu Pramathanath Banerjee, M.A.	Bhikkhu Kukulnape Devarakshita.
„ Srikumar Banerjee, M.A.	Babu Sasindrachandra Dhar, M.Sc.
Dr. Benimadhab Barua, M.A., D.Litt.	P. Gangooly, Esq., M.A.
Babu Radhagobinda Basak, M.A.	Babu Surendramohan Ganguli, M.Sc.
„ Satishchandra Basu, M.A.	„ Praphallachandra Ghosh, M.A.
Prof. D. R. Bhandarkar, M.A.	„ Satishchandra Ghosh, M.A.
Babu Haridas Bhattacharyya, M.A.	„ Rajunikanta Guha, M.A.
„ Kokiloswar Bhattacharyya, M.A.	„ Manoranjan Gupta, M.A.
„ Mohinimohan Bhattacharyya, M.A.	Dr. Hiralal Haldar, M.A., Ph.D.
„ Pasupatinath Bhattacharyya, M.A.	Dr. Ramdas Khan, M.A., Ph.D.
„ Girindrasekhar Bose, M.Sc., M.B.	R. Kimura, Esq.
„ Jogindranath Bose, B.A.	Rajaguru Bhagabanchandra Mahasthabir.
„ Haranchandra Chakladar, M.A.	Babu Haripada Maiti, M.A.
„ Niranjanprasad Chakrabarti, M.A.	„ Herambachandra Maitra, M.A.
	„ Susilkumar Maitra, M.A.
	„ Bijaychandra Majumdar, B.A.
	„ Narendrakumar Majumdar, M.A.



Dr. Rameschandra Majumdar, M.A., Ph.D.	Pandit Asutosh Sastri, M.A.
Babu Surendranath Majumdar, M.A.	Mahamahopadhyay Laksman Sastri.
J. Masuda, Esq.	Pandit Nitaram Sastri
Maulvi Abu Musa Ahmadul Haq.	Dr. Brajendranath Seal, M.A., Ph.D.
Maulvi Aga M.L. Kazim Shirazi.	Arun Sen, Esq., B.A.
Pandit Babuya Misra, Jyotishacharyya	Babu Bipinbihari Sen, M.A.
Babu Khagendranath Mitra, M.A.	Rai Sahib Dineschandra Sen, B.A.
„ Panchanan Mitra, M.A.	Babu Saileswar Sen, M.A.
Babu Saulendranath Mitra, M.A.	A. C. Sengupta, Esq.
Dr. Adityanath Mukherjee, M.A., Ph.D.	Babu Prabodhchandra Sengupta, M.A.
Babu Bijaygopal Mukherjee, M.A.	Samana R. Siddhartha.
Dr. Harendracoomar Mookerjee, M.A., Ph.D.	Babu Jogisendra Sinha, M.A.
Babu Panchanandas Mukherjee, M.A.	Prof. H. Stephen, M.A., D.D.
Babu Radhakamal Mukherjee, M.A.	Prof. I. J. S. Taraporewala, B.A., Ph.D.
Dr. Syamadas Mukherjee, M.A., Ph.D.	Y. J. Taraporewala, Esq., B.A.
Samana Pannananda.	Mahamahopadhyay Pramathanath Tarkabhushan.
Babu Hemchandra Raychaudhuri, M.A.	Pandit Krishnachandra Tarkalankar.
Babu Debendranath Ray, M.A.	Rev. Dr. W. S. Urquhart, M.A., D.Phil.
Babu Satishchandra Ray, M.A.	Pandit Rajendranath Vidyabhushan.
Babu Krishnabinod Saha, M.A.	Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.
Bijaykumar Sarkar, Esq., A.B.	K. Zachariah, Esq., B.A.
Pandit Sakalnarayan Sarma.	G. C. Bose, Esq., M.A.
Vedantabhisarad N. S. Anantakrishna Sastri.	Babu Panchanan Sinha, M.A.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan moved that the Proceedings of the Executive Committee, dated the 22nd July, 1919, be confirmed.

Mr. Bijaychandra Majumdar seconded the motion.

Babu Herambachandra Maitra moved that the Proceedings of the Executive Committee, dated the 29th July, 1919, be confirmed.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan seconded the motion.

Prof. D. R. Bhandarkar moved that the Proceedings of the Executive Committee, dated the 31st July, 1919, be confirmed.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan seconded the motion.

Dr. Brajendranath Seal moved that the Proceedings of the Executive Committee, dated the 7th August, 1919, be confirmed

- Mr. Narendrakumar Majumdar seconded the motion.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan moved that the Proceedings of the Executive Committee, dated the 8th August, 1919, be confirmed.

Mr. Narendrakumar Majumdar seconded the motion.

Dr. Brajendranath Seal moved that the Proceedings of the Executive Committee, dated the 9th August, 1919, be confirmed.

Mr. Surendramohan Ganguli seconded the motion.

Dr. Rameschandra Majumdar moved that steps be taken forthwith to have the report of the Calcutta University Commission considered by the Council and that a committee be appointed to draft a set of resolutions to be placed before the Council for discussion.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan seconded the motion.

Rev. Dr. W. S. Urquhart moved as an amendment that all the words after "considered by the Council" be left out and the following words be inserted :

"and that, for this purpose, the Executive Committee be requested to draft a set of resolutions to be placed before the Council for discussion, after consultation if possible, with the Syndicate in the matter."

Mr. G. C. Bose seconded the amendment.

Mr. J. R. Banerjee opposed both the motion and the amendment.

Babu Rajanikanta Guha, Babu Pramathanath Banerjee, Babu Narendrakumar Majumdar, and Dr. Syamadas Mookerjee supported the motion and opposed the amendment.

Dr. Rameschandra Majumdar, in reply stated that though there might be no objection to remitting the matter to the Executive Committee, he was not prepared to accept the suggestion that the matter should not be considered by the Council till the Syndicate had been consulted.

The President stated that he did not see any objection to the resolutions being framed by the Executive Committee with the assistance of a Sub-Committee, if necessary ; the Executive Committee would no doubt keep itself in touch with the Syndicate in this matter.

Dr. Urquhart expressed his willingness in view of what had fallen from the President to leave out of his amendment the suggestion for a reference to the Syndicate by the Executive Committee.

Dr. Rameschandra Majumdar thereupon modified his motion as follows :

“That steps be taken forthwith to have the report of the Calcutta University Commission considered by the Council and that, for this purpose, the Executive Committee be requested to draft a set of resolutions to be placed before the Council for discussion.

The motion in its amended form was put to the vote and carried.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

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## No. 7.

THE 16TH AUGUST, 1919.

### Present:

The Hon'ble Sir Asantosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President in the Chair.*

Rev. Dr. G. Howells, M.A., Ph.D., B.Litt.	Professor Brajendranath Seal, M.A., Ph.D.
Rai Bahadur A. C. Bose, M.A.	Mr. Girindrasokhar Bose, M.Sc., M.B
Professor H. Stephen, M.A., D.D.	Mr. Bipinbihari Sen, M.A.
Mr. Praphullchandra Ghosh, M.A.	„ Satischandra Ray, M.A.
Mahamahopadhyay Dr. Satischandra Vidyabhushan, M.A., Ph.D.	Dr. Pramathanath Banerjee, M.A., D.Sc.
Pandit Muralydhara Banerjee, M.A.	„ Syamadas Mukherjee, M.A., Ph.D.
Dr. I. J. S. Taraporewala, B.A., Ph.D.	„ C. E. Cullis, M.A., Ph.D.
Rai Saheb Dineschandra Sen, B.A.	

The Executive Committee met to consider the steps to be taken with a view to give effect to the resolution of the Council (13th August, 1919) on the subject of the Report of the Calcutta University Commission.

### RESOLVED—

That the following members of the Council be appointed a Committee to draw up resolutions on the report, for consideration by the Executive Committee:—

Dr. Brajendranath Seal, M.A., Ph.D.—*Chairman.*  
Prof. D. R. Bhandarkar, M.A.

- Dr. I. J. S. Taraporewala, B.A., Ph.D.  
 „ Rameschandra Majumdar, M.A., Ph.D.  
 „ Pramathanath Banerjee, M.A., D.Sc.  
 „ Syamadas Mukherjee, M.A., Ph.D.  
 Mr. Surendranath Sen, M.A.  
 „ Jaygopal Banerjee, M.A.  
 „ Gauranganath Banerjee, M.A.

Read a memo. from the Director of Surveys, Bengal, forwarding the following copy of Director of Public Instruction, Bengal's letter No. 6T-5E-3B, dated the 31st July, 1919, addressed to the Secretary, Government of Bengal, General Department, on the subject of delivery of a special course of lectures on survey maps and records :

“ In supersession of this Office letter No. 487, dated the 27th June, 1919, forwarding a copy of letter No. 1718, dated 11th June, 1919 from the Director of Surveys, Bengal, on the subject of the delivery of a special course of lectures on survey maps and record, I have the honour to say that in the revised scheme now put forward by the Director of Surveys it is suggested that these lectures should be under the control of the Calcutta University and that that body should pay Rs. 150 to the lecturer and find a hall for the lectures, Government paying Rs. 500 as a fee for writing the lectures.

2. I have considered the proposal fully and cannot see my way to recommend Government to pay anything for these lectures beyond the sum of Rs. 438 already sanctioned by Government in their General Department Order No. 912, dated 17th July, 1917 and paid to the Director of Surveys. The case should now be considered further by the University.”

RESOLVED—

That arrangement be made for delivery of the lectures in co-operation with the Governing Body of the University Law College.

Read a notification No. 73P, dated the 8th August, 1919, from the Officiating Director of Public Instruction, Bengal, stating that Babu Radhagobinda Basak, M.A., University Lecturer in Sanskrit and Pali is appointed on probation for one year, to be Professor of Sanskrit in Rajshahi College with effect from the date on which he joins the appointment *vice* Babu Srischandra Chakrabarti.

Read a letter from the Officiating Principal, Rajshahi College, requesting that Babu Radhagobinda Basak may [be relieved by the University at a very early date.

RESOLVED—

That Babu Radhagobinda Basak be relieved of his duties at once, and that the Boards of Higher Studies in Sanskrit, Pali,

and History, be requested to make provision for the work hitherto entrusted to Mr. Basak.

Read the following extract from a letter written by Major Campbell to the President :—

“The Tibetan Government have at last secured a really learned man to undertake the Cataloguing of the contents of the Kangyur and Tengyur for the Calcutta University. They write that as it was necessary to find a Ge-she who really knew the meaning of the Kangyur and Tengyur, both Sutras and Tantras as well as one skilled in rhetoric and metrical composition they issued orders to the Sera, Drepung and Gaden monasteries to make a selection from their most learned lamas. The results is the selection of Ge-she Lobzang Targye, of the Shar-tse College in the Gaden Monastery. He is said to be very highly qualified and, having ordered him into Lhasa, the Tibetan Government now enquire when he should start for India.

In your letter of the 18th July, 1918, you wrote that you would like the Ge-she to live in Calcutta from October to March and would arrange to find a house for him in Darjeeling in April and May, and that the University were willing to pay a really learned man Rs. 200 a month plus actual travelling expenses. This man appears to be really learned, but in order to obviate the risk of sending the wrong type to Calcutta I think it will be well if I “vet” him at Gyantse first. If you agree, would you send me a wire to Gyantse (where I arrive on the 11th August) and I will then write to the Tibetan Government to send down the Ge-she to Gyantse and pass him on, so as to arrive in Calcutta some time about the beginning of October, if that is not too soon.

From what date would the University be prepared to begin paying his salary? These learned monks have very little in the way of private means as a rule and he will need to feed himself and servant from Lhasa to Calcutta, as well as providing himself with suitable clothes for the climate of India. I would suggest that you should pay him at the rate of Rs. 100 a month from the date of his departure from Lhasa and at the full rate of Rs. 200 from the date of his arrival in Calcutta. In the meantime could you send me Rs. 200 to be used as an advance to him of salary and travelling expenses? It will be difficult to get him to move without funds.”

The Secretary reported that by instruction of the President a sum of Rs. 200 had been forwarded to Major Campbell for necessary expenses in this connection.

**RESOLVED—**

That the action taken be approved.

Read a letter from Rev. G. Ewan, University Lecturer in Philosophy, requesting that he may be granted leave without pay for one year with effect from 9th September, 1919, and stating that Dr. Urquhart is willing to do his work in addition to his own without extra remuneration up to the Puja Vacation.

**RESOLVED—**

That the matter be referred to the Board of Higher Studies in Philosophy.

The Secretary reported that the following gentlemen have been appointed Monitors with free seat for the session 1919-1920 :—

Babu Probodhchandra Bagchi, Post-Graduate Mess at 75-5A, College Street.

Babu Jagadischandra Chakrabarti, Post-Graduate Mess at 50-3B, Srigopal Mallick Lane.

**RESOLVED—**

That the action taken be approved.

The Secretary reported that the following students, who obtained their B.A. Degrees from the Universities noted against their names and obtained necessary permission from their respective Registrars to join this University, have been provisionally admitted to the Post-Graduate Classes :—

Niranjan Pattnaik—Madras—5th-year English Class.

Santikumar Bose—Allahabad—Do.

Kshemadaprasad Mukerjee—Punjab—5th-year Pure Mathematics Class.

**RESOLVED—**

That they be admitted to the classes and the sanction of the Syndicate be obtained to the recognition of the B.A. Degree obtained by them at Madras, Allahabad and Punjab.

The Secretary submitted a Bill for Rs. 47-8 from Ahammad Ali Khan, Book-binder, for binding 1216 Memo. Books for the Under-graduate classes in Pali, Arabic, Persian and French.

**RESOLVED—**

That the bill be paid.

Read a letter from Dr. Taraporewala suggesting that three or four typed copies of the article on Aryan Religion may be prepared for the use of the students.

**RESOLVED—**

That the Secretary be authorised to do the needful.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Council of Post- Graduate Teaching in Arts

FOR THE YEAR 1919-20.

---

**No. 8.**

THE 20TH AUGUST, 1919.

*(In Circulation.)*

Read the following letter addressed to the President by Mrs. Angelina Duke, Miss Hannah Guha, B.L., and Miss Kitty Guha, B.A. :—

“9 MARQUIS STREET,  
*Calcutta, the 19th August, 1919.*

To

THE PRESIDENT,

COUNCIL OF POST-GRADUATE

TEACHING IN ARTS,

CALCUTTA UNIVERSITY.

DEAR SIR,

You have heard of the lamented death of our beloved sister, Miss Regina Guha, M.A., B.L., on the 10th August, 1919. She was appointed Tutor in English in the Post-Graduate Department of the University and used to always take a keen interest in the cause of higher education of the country generally. To perpetuate her memory we beg to offer to the University, Rupees One Thousand, in cash, to be invested in the best way you think fit for the purpose of creating an endowment for the annual award of a Gold Medal out of the interest thereof, on the following conditions :—

1. A Gold Medal, to be called “Regina Guha Medal” will be annually awarded to the candidate at the M.A. Examination



whose thesis, according to the new Regulations, in English in lieu of Examination in two Papers, will be declared best and who successfully passes the examination the same year.

2. If in any year no candidate evinces sufficient merit to entitle him to the Medal, it will be awarded to the successful candidate at the M.A. Examination who secures the highest mark in the Essay Paper.

3. The Medal shall bear the University Coat of Arms on one side and the words 'Regina Guha Medal awarded to ..... ' on the other and shall be presented publicly at the Annual Convocation of the Senate. The name of the Medalist will be published in the Gazette and in the University Calendar.

4. The first 'Regina Guha Medal' will be awarded on the result of the M.A. Examination, 1919.

We beg to request you to be so good as to take necessary steps to have the offer accepted by the University.

Yours truly,

(Mrs.) ANGELINA DUKE.  
(Miss) HANNAH GUHA.  
(Miss) KITTY GUHA."

RESOLVED—

That the Executive Committee recommend that the Senate be moved to accept the gift with thanks.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

No. 9.

THE 9TH SEPTEMBER, 1919.

## Present:

The Hon'ble Sir Asantosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*resident, in the Chair.*

Rev. Dr. G. Howells, M.A., Ph.D. B.Litt., B.D.	The Hon'ble Dr. A. Suhrawardy, M.A., Ph.D.
Rai A. C. Bose, Bahadur, M.A.	Professor Brajendranath Seal, M.A., Ph.D.
Mr. Praphullachandra Ghosh, M.A.	Mr. Girindrasekhar Bose, M.Sc., M.B.
Mahamahopadhyay Dr. Satischandra Vidyabhushan, M.A., Ph.D.	Professor D. R. Bhandarkar, M.A.
Pandit Muralydhara Banerjee, M.A.	Mr. Bipinbihari Sen, M.A.
Prof. I. J. S. Taraporewala, B.A., Ph.D.	Mr. Satischandra Ray, M.A.
Rai Saheb Dineschandra Sen, B.A.	Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following Proceedings of the Board of Higher Studies in English, dated the 30th August, 1919 :

"The Board proceeded to co-opt, under Section 9(c) of Chapter XI of the Regulations, not more than two members from amongst those engaged in Post-Graduate Teaching in the subject of the Board in places outside Calcutta.

The names of Rai Lalitmohan Chatterjee Bahadur, M.A., University Lecturer in English, Jagannath College, Dacca, and Babu Satyendranath Bhattacharya, M.A., Professor, Dacca College, Dacca, had been proposed in accordance with Section 42.

The gentlemen proposed were duly elected.

Read an application, recommended by Mr. J. W. Holme, University Lecturer in English, from Dhirendranath Banerjee, a student of the 6th-year Class in English (Group B), requesting permission to offer a thesis in lieu of Examination in Papers IV and VIII.

RESOLVED--

That the application be granted.

Read an endorsement from Professor H. Stephen, M.A., D.D., forwarding an application from Bhudevchandra Guha, a student of the 6th-year Class in English (Group A), requesting permission to offer a thesis in lieu of Examination in Papers VI and VIII.

**RESOLVED—**

That the application be granted.

Read a joint letter from Babu Kumudbandhu Ray, M.A., and Babu Jyotishchandra Ghosh, M.A., Assistants in the Department of English, stating that as they have to lecture to the Post-Graduate students in English, their appointment may be confirmed as University Lecturers in that subject.

**RESOLVED—**

That Babu Kumudbandhu Ray, M.A., and Babu Jyotishchandra Ghosh, M.A., be appointed University Lecturers in English for the session 1919-20."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Mental and Moral Philosophy, dated the 30th August, 1919 :—

"The Board proceeded to co-opt, under Section 9 (c) of Chapter XI of the Regulations, not more than two members from amongst those engaged in the Post-Graduate Teaching in the subject of the Board in places outside Calcutta.

The name of Mr. G. H. Langley, M.A., University Lecturer in Philosophy at Dacca, had been proposed in accordance with Section 42.

The gentleman proposed was duly elected.

Read a letter from Rev. G. Ewan, University Lecturer in Philosophy, requesting that he may be granted leave without pay for one year with effect from the 9th September, 1919, and stating that Dr. Urquhart is willing to do his work in addition to his own without extra remuneration up to the Puja Vacation.

**RESOLVED—**

That the application be granted and the temporary arrangement proposed be approved."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 30th August, 1919 :—

"The Board proceeded to co-opt, under Section 9 (c) of Chapter XI of the Regulations, not more than two members from amongst those engaged in the Post-Graduate Teaching in the subject of the Board in places outside Calcutta.

The name of Babu Aswinikumar Mookerjee, M.A., University Lecturer in History, Dacca College, Dacca, had been proposed in accordance with Section 42.

The gentleman proposed was duly elected.

The Secretary reported that the following stipends had been awarded by the Chairman to the students of the Ancient Indian History and Culture Department on usual condition, *viz.*, the scholars are required to learn at least one Modern Language :—

**ARCHAEOLOGY.****6TH-YEAR CLASS.**

Asutosh Sarkar, B.A. (Honours). (in place of Sudhindranath Chongdar, (deceased.)

## RELIGIOUS HISTORY.

Jatindranath Chakrabarti, B.A. (Honours) (in place of Sadhirkumar Majumdar, B.A., left for England).

## ARCHÆOLOGY.

## 5TH-YEAR CLASS.

Nagendrachandra Datta, B.A. (Honours).

## SOCIAL AND CONSTITUTIONAL HISTORY.

Jatindralal Nandi, B.A. (Honours).

## RELIGIOUS HISTORY.

Bhupendrachandra Chakrabarti, B.A. (Honours).

## ASTRONOMY AND MATHEMATICS.

Parasprasad Majumdar, B.A. (Honours).

## RESOLVED—

That the award of stipends be confirmed."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Arabic & Persian, dated the 8th September, 1919 :—

## RESOLVED—

That Shams-ul-Ulama, Maulavi Muhammad Yusuf Jafri, Khan Bahadur be appointed University, Lecturer in Persian in place of Khan Bahadur Maulavi Muhammad Ibrahim B.A., deceased, on a salary of Rs. 100 a month from 9th September, 1919 to the end of the current session.

## RESOLVED FURTHER—

(1) That Maulavi Abu Usman Khalid, M.A., be appointed teacher in Arabic for the undergraduate classes, *vice* Shams-ul-Ulama Maulavi Muhammad Yusuf Jafri, Khan Bahadur, on a salary of Rs. 50 a month from 9th September, 1919 to the end of the current session.

(2) That Maulavi Abdul Majid Fakhrul Muhaddith be appointed a teacher in Persian for the under-graduate classes, *vice* Khan Bahadur Maulavi Muhammad Ibrahim, B.A., deceased, on a salary of Rs. 50 a month from 9th September, 1919 to the end of the current session."

## RESOLVED—

That the Proceedings be confirmed.

Read a memo. from the Director of Public Instruction, Bengal, forwarding a copy of letter No. 357-T-Edu., dated the 16th August, 1919, from the Offg. Secretary to the Government of Bengal, General Department, Education Branch, conveying sanction of the Government of the appointment of the Professors of the Presidency College as University Lecturers for the session 1919-20, as in previous years.

## ORDERED—

To be recorded.

Read a letter from the Honorary Secretaries, Bhandarkar Oriental Research Institute, Poona, requesting to nominate

delegates to the first Oriental Conference, to be held in Poona, on the 5th, 6th and 7th of November, 1919, from amongst the staff of the Post-Graduate Department.

**RESOLVED—**

That the following gentlemen be nominated :

Dr. Gauranganath Banerjee, M.A., Ph.D., The Hon'ble Dr. A. Shurawardy, M.A., Ph.D., Babu Susilkumar Maitra, M.A., and they be paid the same travelling allowance as the nominees of the Syndicate.

The Secretary reported that Trilokesh Bhattacharyya, a student of the Philosophy Class, has been fined Rs. 5 by the President on account of grave misconduct in the Post-Graduate Mess, No. 50/3B, Srigopal Mallik Lane.

**RESOLVED—**

That the action taken be confirmed.

The Secretary reported that the certificates granted to the undermentioned Post-Graduate students in connection with their applications to the ensuing M.A. Examination, had been cancelled, by order of the President, on account of grave misconduct :—

Manmathanath Mitra

( English ) Roll Cal. E ( A ) 91.

Surendranath Barua

( Pali ) Roll Cal. Pa ( C ) 1.

Further, that the appointment of Jagadischandra Chakravarti, as monitor of the Post-Graduate Mess at 50-3B, Srigopal Mallik Lane, had been cancelled with effect from the 1st September, 1919, and the undermentioned Post-Graduate students, who resided in the above Mess, had been directed to leave the Mess by 10 A.M. on Wednesday, the 3rd September, 1919, and to make satisfactory arrangements for residence within one week from the date of the order, *viz.*, 1st September, 1919, failing which their names would be removed from the Rolls of Post-Graduate Classes :—

Jagadischandra Chakravarti.

Charuchandra Sen.

Basantakumar Ghosh.

Sachindramohan Chanda.

Birendranath Guha.

Bhupendranath Chakravarti.

Sachindramohan Chakravarti.

Surahar Gupta.

Sureschandra Majumdar.

**RESOLVED—**

That the action taken be confirmed.

The Secretary reported that it was necessary to sanction a permanent advance of Rs. 100 to be held by the Post-Graduate Cashier, attached to the Cash Department of the University.

**RESOLVED—**

That the arrangement proposed be sanctioned.

Read a letter from Dr. Taraporewala, requesting sanction of an independent connection of telephone in the office of the Secretary, the want of which causes great inconvenience to the Professors; also a circular letter from the General Manager, Bengal Telephone Company, Ltd., stating that they are now in a position to give the connection and requesting that a requisition may sent to him at an early date.

**RESOLVED—**

That the proposal be carried out.

Read a letter from Babu Sunitikumar Chatterjee, M.A., University Lecturer in English, requesting that his allowance cheque may be drawn in favour of his brother, Babu Anadikrishna Chatterjee, during his absence on leave abroad.

**RESOLVED—**

That the request be granted.

Read a letter from Dr. Taraporewala presenting 12 Hindi books and a copy of "Bibliothecae Regiae Monacensis" to the Post-Graduate Library.

**RESOLVED—**

That the donor be thanked for the gift.

Read a letter from Messrs. Kar, Majumdar & Co., presenting 3 volumes of "Keith's Responsible Government" to the Post-Graduate Library.

**RESOLVED—**

That the donors be thanked for their gift.

The Secretary reported that, by the order of the President, Babu Brajamohan Thakur, M.A., Instructor in Hindi, was paid Rs. 125 on account of the following purposes:—

	Rs.
Fund for purchase of old manuscripts and books in Maithili Language ... ..	50
Railway fare to and from Darbhanga (if necessary to Benares) including that of a servant ... ..	50
Contingent expenses ... ..	25
	<hr/>
	125

**RESOLVED—**

That the action taken be approved.

The Secretary reported that Babu Kasiprasad Raychaudhuri had been appointed an Assistant in his office, to be attached to the University Library, on a salary of Rs. 30 a month, on probation for 6 months, with effect from the 19th August, 1919.

**RESOLVED—**

That the action taken be approved.

The Secretary reported that Babu Harigopal Chatterjee, B.A., had been appointed a typist in his office on a salary of Rs. 50 a month with effect from the 25th August, 1919, on probation for 6 months (Executive Committee, dated the 22nd July, 1919).

**RESOLVED—**

That the action taken be approved.

The Secretary placed before the meeting a list of students of the Post-Graduate Department who had been granted Free-studentships for the current session in the Sixth-Year Class (the students of the old 5th-Year Class who were granted free-studentships last year, had been allowed to continue the privilege and the students, who applied this year for Free studentships, had been granted half-free studentships with effect from June, 1919, up to the end of the current session).

**RESOLVED—**

That the concessions be confirmed as set out in the list signed by the President.

Read a letter from Lala Sita Ram, B.A., forwarding manuscripts of Book VI, Part I, and Book V (Arts Poetica), of the volume of Typical Selections from Hindi literature, for inspection and approval of the Executive Committee.

**ORDERED—**

To be recorded.

Read a letter from Dr. Suhrawardy, requesting sanction of extension of leave granted to him by the Executive Committee, dated the 9th August, 1919, from the 22nd August, 1919, to 4th September, 1919 both days inclusive, on ground of ill-health.

**RESOLVED—**

That the request be granted.

Read a letter from Professor Taraporewala, who, in addition to his duties, has been taking German Class, stating that he has

been doing at present the elements of German Grammars with some five of the teachers of the Department, reporting further that after the Puja vacation he intends to do some texts and requesting sanction that a dozen of each of the books may be obtained from abroad (prices to be paid by the students) by the University :—

A Sketch on German Grammar by H. G. Atkins (Blackie).

Hauff-Das Bild des Kaisers (Camb. Uni. Press.)

Lessing Nathan de Weise (Camb. Uni. Press.)

RESOLVED—

That Dr. Taraporewala be thanked and that his suggestion be carried out.

The Secretary reported that 1,000 copies of Mr. H. B. Hannah's work on "Ancient Romie Chronology" were, by instruction of the President, being printed by Messrs. Thacker Spink & Co., at Rs. 8 per page (the volume will contain about 50 pages and will be incorporated in the University Journal of the Department of Letters).

RESOLVED—

That the action taken be approved.

The Secretary submitted a bill for Rs. 66-1-3 from the Asiatic Society of Bengal, for supplying books on Maithili literature for the Lending Library of the Post-Graduate Department.

RESOLVED—

That the bill be paid.

The Secretary submitted a bill for Rs. 170 from the Standard Literature Co., for supplying books in Philosophy for the Lending Library of the Post-Graduate Department.

RESOLVED—

That the bill be paid.

The Secretary reported that the manuscripts of the Typical Selections in Oriya and Hindi, by Mr. B. C. Majumdar and Lala Sitaram, respectively had been received and enquired what arrangements were to be made for printing them.

RESOLVED—

(1) That the Selections be printed in Oriya and Devanagari character respectively in an edition of 500 copies each.

(2) That arrangements be made to have the former printed at the Baptist Mission Press and the latter at the University Press.



**RESOLVED FURTHER—**

That Rs. 1,000 be paid to each of the two Editors, as a first instalment of the honorarium of Rs. 2,000 previously fixed (Executive Committee, dated the 29th June, 1918).

The Secretary submitted a bill for Rs. 35 from Messrs. Chaudhuri Bardhan & Co., for supplying a folding screen for his room.

**ORDERED—**

That the bill be paid.

Read a letter from Dr. Pramathanath Banerjea, M.A., D.Sc., University Lecturer in Economics, requesting that leave for 10 days with effect from the 8th September, 1919, may be granted to him and stating that Mr. S. C. Ray, M.A., will give some additional lectures during his absence.

**RESOLVED—**

That the request be granted.

Read a memo. from the Assistant Registrar, forwarding letter No. 228, dated the 14th August, 1919, from the Government of India, Education Department, on the subject of facilities provided by the Bhopal Darbar to visitors to Sanchi, who are interested in Archeological remains :—

Copy of a letter No. 12, dated the 16th June, 1919, from Lt.-Col. Nawabzada Hamidulla Khan, Chief Secretary to Her Highness the Begum of Bhopal, to the Political Agent in Bhopal.

The Darbar, as you are aware, has in recent years given special attention to the important work of restoration and improvement which has just been completed at the Sanchi Topes under the personal care and supervision of Sir John Marshall. Sir John's work which has received all possible assistance from the Darbar, has been productive of excellent results, and a visit to the site is a real pleasure in the present circumstances. All the debris has been cleared, lawns laid out, trees planted, and the site improved in every possible way. The Topes which are a priceless relic of the olden times are well worth a visit, and will amply repay visits of travellers and students interested in archaeological remains. The Darbar would be immensely pleased, if college students who take Ancient Indian History as their course for M.A., and other examinations, should find it possible to pay occasional visits to Sanchi. The Government of India have recently afforded considerable facilities in respect of visits to the famous Buddhist remains at Sarnath and Gaya, and the Bhopal Darbar would also like it to be known far and

wide that visitors would be most welcome at Sanchi and all possible facilities would be afforded. It would in the Darbar's opinion be a good thing if information to that effect could be conveyed to the Indian Universities, and to the British diplomatic and Consular Agents, in China, Japan, Siam, and other countries which claim large Buddhist populations, as it might have the effect of encouraging visits to the Topes in the preservation and well-being of which the Darbar is so keenly interested.

**ORDERED—**

To be recorded.

The Secretary submitted a bill for Rs. 72 from Capt. J. W. Petavel on account of the following items:—

	Rs.
Balance of fee for Lectures formerly deducted on account of 50 copies of "Man and Machine Power" ... ..	50
Paid by Captain Petavel to Gauranga Press for 500 copies of reprint of his report to the University Commission ... ..	22
	<hr/> 72

**RESOLVED—**

That the bill be passed.

The Secretary submitted a bill for Rs. 150-10 from the Hindi Pustak Agency for supplying books in Hindi for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bill be paid.

The Secretary stated that the Syndicate, at their meeting, held on the 5th September had adopted the following resolution and had decided to make it applicable to all Departments of the University, subject to the approval of the respective Governing Bodies and Executive Committees :

"(1) That in view of present economic conditions, a special allowance of one month's salary be paid to each Assistant in every Department of the University (including the Assistant Registrar and the Assistant Controller) subject to a minimum of Rs. 50 and a maximum of Rs. 100.

(2) That in view of present economic conditions, a special allowance of Rs. 4 a month for six months from 1st July, 1919 be paid to every menial in every Department of the University.

(3) That the Governing Bodies of the University Law College and the University Science College and the Post-Graduate Executive Committees in Arts and Science be requested to approve the above proposals so far as their respective departments are concerned.

**RESOLVED—**

(1) That the salary for September payable ordinarily on the 1st October, be paid on the dates the different departments close for the Puja vacation.

(2) That in the case of assistants and menials the salary for October be paid on the day the office of the Registrar closes for the Puja vacation."

**RESOLVED—**

That the resolutions be made applicable to this Department.

The Secretary enquired whether the minimum special allowance of Rs. 50 was also applicable to the cases of Babu Jayantipada Chaudhuri and Babu Bibhutibhusan Chatterjee, Shorthand writer and typists, who attend to the Hon'ble the President in the morning and evening and receive an allowance of Rs. 30 and 20 respectively from this department.

**RESOLVED—**

That the minimum allowance of Rs. 50 be paid in each of the two cases mentioned for work done in this department.

Read a letter from Babu Radhagobinda Basak, requesting that his salary may be paid up to the date on which he rejoined Government Service and also his travelling allowance from Calcutta to Rajshahi.

**RESOLVED—**

That the amount of salary be paid.

**RESOLVED—**

That Professor N. N. Godbole, M.A., B.Sc., lately of Dayal Singh College, Lahore, be invited to deliver a course of 10 lectures on the Modern Industrial and Economic development of Japan and that he be offered an honorarium of Rs. 600 besides travelling expenses.

**RESOLVED—**

That in the matter of preparation of Typical Selections in Urdu, the Hon'ble Dr. Suhrawardy be given the services of an assistant on Rs. 40 a month and a scribe on Rs. 30 a month for 6 months.

Read a letter from Mr. B. C. Majumdar, B.A., Editor, Typical Selections in Oriya Literature, stating that the term of

the appointment of his clerk will expire this month and requesting that it may be extended to the month of March, 1920 on the same term and condition as sanctioned by the Executive Committee dated the 24th February, 1919.

**RESOLVED—**

That the request be granted.

The Secretary submitted an estimate for Rs. 686 for printing 500 copies, in the University Press, of Mr. J. C. Kydd's work, "Factory Legislation in India" for the benefit of the Post-Graduate Students.

**RESOLVED—**

That the estimate be sanctioned and the work taken in hand without delay.

**RESOLVED—**

That the undermentioned Members of the Board of Examiners be appointed honorary tabulators in the several subjects mentioned for the M.A. and M.Sc. Examinations, 1919 :—

English	...	...	} Mr. S. C. Bose.
		...	} Dr. H. C. Mookerjee.
Sanskrit, Pali, Arabic & Persian,			} Babu Surendramohan Ganguly.
Comp. Philology.			} " Pasupati Bhattacharyya.
Mental & Moral, Philosophy &			} Babu Sasindrachandra Dhar.
Experimental Psychology.			} " Susilkumar Maitra.
History	..		Dr. Gauranganath Banerjee.
			Babu Pramathanath Banerjee.
Economics	..		Babu Hariprasanna Banerjee.
			" Mohitkumar Ghosh.
Pure Mathematics			Babu Narendrakumar Majumdar.
			" Satishchandra Ghosh.

(Confirmed)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts**

**FOR THE YEAR 1919-20.**

**No. 10.**

**THE 16TH SEPTEMBER, 1919.**

**PRESENT :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.—  
*President, in the Chair.*

<b>Rai A. C. Bose, Bahadur, M.A.</b>	<b>The Hon'ble Dr. A. Suhrawardy, M.A.,</b>
<b>Mr. Praphullachandra Ghosh, M.A.</b>	<b>Ph.D.</b>
<b>Mahamahopadhyay Dr. Satishchandra</b>	<b>Professor Brajendranath Seal, M.A.,</b>
<b>Vidyabhushan, M.A., Ph.D.</b>	<b>Ph.D.</b>
<b>Pandit Muralyidhar Banerjee, M.A.</b>	<b>Mr. Girindrasekhar Bose, M.Sc., M.B.,</b>
<b>Dr. I. J. S. Taraporewala, B.A., Ph.D.</b>	<b>Mr. Bipinbihari Sen, M.A.</b>
<b>Rai Saheb Dineschandra Sen, B.A.</b>	<b>Mr. Satishchandra Ray, M.A.</b>

**Read the following Proceedings of the Board of Higher Studies in Indian Vernaculars, dated the 13th September, 1919 :—**

**“ RESOLVED—**

**That the following text-books in subsidiary languages be prescribed for the M.A. Examinations in Indian Vernaculars in 1920 and 1921 :**

## **TAMIL.**

<b>Wickremsinghe</b>	<b>... Tamil Grammar Self-taught.</b>
<b>Pope</b>	<b>... Tamil Handbook.</b>
<b>Do.</b>	<b>... Catechisms of Tamil Grammar,</b>
	<b>I-II.</b>
<b>Arden</b>	<b>... Progressive Grammar.</b>
<b>Caldwell</b>	<b>... Comparative Grammar of Dravidian Languages.</b>

Purnalingam Pillai	...	Primer of Tamil Literature.
Do.	...	Viveka Vilakkam.
Do.	...	Seyyul Korai.
Do.	...	Vasaka Thirattu.

**Matriculation Selections (Madras University).**

TELUGU.

<b>Brown</b>	...	Telugu Grammar.
<b>Morris</b>	...	Simplified Telugu Grammar.
<b>Arden</b>	...	Telugu Grammar, 1905, Telugu Companion Reader, 1879.
<b>Caldwell</b>	...	Comparative Grammar of Dravidian Languages.

Narasingham and Narasingarow ... Ananda Readers, Parts III & IV.  
Matriculation Selections (Madras University).

**MALAYALAM.**

Gundert	...	Catechism of Malayalam Grammar (Madras 1881).
Fohnmeyer	...	Progressive Grammar of Malayalam (Mangalore, 1889).
Peet	...	Malayalam Grammar (Cottayam 1841).
Caldwell	...	Comparative Grammar of Dravidian Languages.

**Fourth Reader**  
**Twelfth Reader**  
**Gadya Malika, Part II**  
**History of Malayalam Literature** } **Basel Mission (Mangalore).**  
**Matriculation Selections** (Madras University).

**KANARESE.**

Kittel	...	Grammar of Old and Modern Kannada (Mangalore 1903).
Spencer	...	Kanarese Grammar (Mysore 1914).
Caldwell	...	Comparative Grammar of Dravidian Languages.
Rice	...	History of Kanarese Literature.

Padya Sangraha  
Padya Sara, Part I, pp. 3-4, 12-13, 27-30, 77-86 and 103-106.  
Katha Sangraha, Part I, pp. 1-96.  
" " " " II pp. 210-280.  
Nirmala (or She Stoops to Conquer) in Kanarese.  
Sabadāra (Kanarese).

**Matriculation Selections (Madras University).**

## SINHALESE.

Wickremasinghe	...	Sinhalese Grammar (London 1916).
Guna Sekra	...	Comprehensive Sinhalese Grammar (Colombo 1892).
Do.	...	Kusajatakakavya.
Gunawardhana	...	Subhasitaya.
Samarasekara	...	Sinhalese Translation of the Digha-nikaya, Vol. I (Brahmajalasutra and Ambatthasutra only).
Gurulu Goru	...	Amavatura (First four chapters only) edited by Jayatilaka.

## MAITHILI.

Grierson	...	Grammar and Chrestomathy, 2 vols.
Vidyapati	...	Padabali (Bangiya Sahitya Parishad ; Indian Press, Allahabad ; Coomarswamy and Arun Sen).
Umapati	...	Parijata Harana edited by Grierson (Bihar and Orissa Research Society. Vol. III, 1917).
Grierson	...	Vernacular Literature of Hindustan.

## RESOLVED—

That in the list of books previously recommended in Gujarati, for “Karan Ghelo” be substituted “Patanani Prabhuta by Ghanashyam” (Gujarati Press, Bombay).

The Secretary reported that the following Stipends had been awarded by the Chairman to the students of the Indian Vernaculars Department :—

## MAITHILI.

Saileswar Chakrabarti, B.A. (Honours).

## URDU.

Binayranjan Sengupta, B.A.

## RESOLVED—

That the awards be confirmed.

The Secretary enquired what steps were to be taken to award the “Sir Asutosh Mookerjee Prize” for 1919-20.

## RESOLVED—

That the prize be awarded on the result of an examination to be held on Saturday, the 20th September, 1919 (candidates

will be required to write an essay in Bengali on a subject to be selected by the President)."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 11th September, 1919:—

"The President stated the steps he had taken to fill up the vacancy in the staff in Ancient Indian History and Culture due to the resignation of Babu Radhagobinda Basak, M.A.

Extract from letter, dated 9th September, 1919 addressed to the President by Dr. D. B. Spooner, Offg. Director General of Archaeology in India:

'As Mr. Ramaprasad Chanda informs me that you have been so kind as to offer him a professorship in Indian Epigraphy at Calcutta University, conditionally upon his being permitted to leave this Department, I have the honour to say that in the very tragic circumstances in which Mr. Chanda finds himself, the requisite permission to accept your offer cannot, I fear, be refused, and I therefore hereby accord to him. He may join at any time convenient to you

Permit me to add, however, an expression of the very real regret with which this unavoidable decision fills me, the qualities which Mr. Chanda has disclosed to us during the tenure of his present scholarship are those of an exceptionally brilliant scholar, and it has long been our desire to secure his services for our Department permanently. Much to our disappointment, however, the hopes we had entertained of creating a post suitable for him have not been realised, and as an appointment outside Calcutta is not acceptable to him in his present altered circumstances, I see no way of our retaining him at present, although we shall certainly cherish the hope of securing his services later when conditions are more favourable.

If an expression of the obvious may be permitted me, I should like to add in conclusion that our loss is very decidedly the University's gain. Mr. Chanda is one of the sanest and soundest Epigraphical Scholars in this country, and students privileged to study the principles of this science under his guidance will be privileged indeed.

**RESOLVED—**

That Babu Ramaprasad Chanda, B.A., of the Bengal Provincial Educational Service, now on deputation with the Director General of Archaeology in India, be appointed University Lecturer for a term of 3 years on a remuneration of Rs. 300-25-350 a month and that such contribution as may be demanded by Government for pension and leave be paid by the University.

**RESOLVED ALSO—**

That the salary of Dr. Gauranganath Banerjee, M.A., Ph.D., be fixed at Rs. 300 a month with effect from 1st September, 1919."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Memorandum on the establishment of Co-operative Stores for University students (drawn up by Messrs. Satishchandra Ray, Panchanandas Mookerjee and Bhujangabhushan Mookerjee at the request of the President):

We, the members of the Committee appointed at a meeting held at the University Buildings on the 3rd July last, to consider and report on the question



of establishing "a University Co-operative Stores," have the honour to report as follows :—

The Committee elected Professor S. C. Ray to be its Chairman and Babu Bhujangabhushan Mookerjee to be its Secretary.

The Committee held 8 meetings of which 8 were held at the Office of the Bengal Co-operative Organisation Society at Dacre's Lane and 6 were held at the University Buildings.

On the 15th July last the Committee inspected the Bangabasi College Co-operative Stores.

We have thought it advisable to outline the general features of a scheme. If these are approved and if it is decided to start such a society on the lines indicated by us, it will be necessary to frame bye-laws of the Society. The model bye-laws framed by the Co-operative Department may serve as a guide. A copy of the bye-laws of the Bangabasi College is also appended.

The questions referred to the Committee divide themselves into two parts, *viz.* :—

(1) the establishment of independent Co-operative Stores at the different Colleges in Calcutta affiliated to the University; and,

(2) the establishment of a Central University Stores federating and co-ordinating all the branch College Stores. The work of the Central Stores, it is understood, will be very largely confined to the work of buying wholesale in order to supply to the Branch Stores.

We deal with each of these two points separately.

## PART I.

### *Branch Co-operative Stores.*

We recommend that real and earnest efforts should be made at once for the purpose of encouraging the establishment of Co-operative Stores in connection with each of the affiliated colleges of the Calcutta University situated in Calcutta. Indeed,

as we shall show later on, without such basal individual Stores, it would not be possible to build up "a Central University Co-operative Stores" as was suggested at the meeting held on the 3rd July last. And the more such stores are started in connection with the different Colleges, including Colleges of all types, the more will they give the students the best initial and preparatory training necessary for the purpose of managing and controlling the "Central Stores" when it is established. These Co-operative Stores, are, at the present time in India, being started very largely as experiments, which, if successful, will go very far in solving some of the acutest economic problems of the country. We are therefore very anxious that nothing should be done to rush students into it without sufficient experience and a genuine spirit of co-operation, and it would be much better to proceed slowly and cautiously, so that we may be quite sure of our ground before we undertake "a Central University Stores."

The idea of Co-operative Stores, it must be frankly admitted, is new and is very far from being popular. The vast city of Calcutta with a student population of about 16,000 has only 3 College Co-operative Stores, *viz.*: the Bangabasi, the C. M. S. and the Vidyasagar College Stores: and though attempts are being made to open a fourth—the South Suburban—it is still in a nebulous stage. Even as it is, the Stores that have been opened already are neither very popular amongst the students, nor specially successful as *Co-operative* Stores. An illustration will perhaps make this quite clear. The Bangabasi College Co-operative Stores has only 130 student members out of a total number of 1,700 on the rolls. The percentage of members to the total number of students is thus about 8 p. c. This shows a great lack of interest; and no Co-operative Society can thrive unless it is based upon a spontaneous and willing spirit of co-operation. As matters stand at present, the only chance of success of these

College Stores lies in the hope of supplying stores to the College Hostels and Messes. The students of the College as a body, bring very little custom and evince very little interest in the Stores.

We now come to the practical side of the question *viz.*, how best to start such independent Stores in the various Colleges in Calcutta. For this purpose we divide the Colleges under 2 broad heads, *viz.* :

(a) Colleges directly under the control of the University. In this category come the University Post-graduate Classes (Arts and Science) and the University Law College.

(b) Colleges affiliated to the University.

As regards (a) above, the University should take the initiative in starting Co-operative Stores and as this question was specifically referred to us, we beg to submit herewith our recommendations as how best to start an independent "University Co-operative Stores." This will be found in Appendix A to this Report. We have only considered the general features of the scheme, leaving details to be settled later on. If the general scheme is accepted it will be necessary to frame the detailed bye-laws and we suggest that the assistance of the Bengal Co-operative Department may be invited for that purpose.

As regards (b) the University can of course do a great deal by way of encouragement and by example. Some of the methods by which the idea may be popularised are discussed later on.

We accordingly recommend that steps should be taken at once to start in the first instance independent co-operative stores in the Calcutta Colleges. These should form the basis of a bigger federal system in the future. As these increase in number and strength, and as their working spreads the idea and demonstrates the advantages of co-operation amongst the students, the question of starting a central "Stores," affiliating to it all the Branch College Stores may be fitly considered. Such a Central "Stores" will however deal both wholesale

and retail—but chiefly wholesale—whereas the Branch Stores will deal in retail only, and the advantages that will be derived from such a federation will be mutual.

*Some of the Difficulties to be overcome.*

In order to ensure the success of these stores, it is essentially necessary to provide as follows :—

(A) There must exist in the students a large amount of co-operative spirit and interest. We can help to create and stimulate it by propaganda work, particularly at the beginning of each session—by means of

(1) Lectures in Schools and Colleges organised either by the University or by the College Staffs or by students themselves or the University Stores or with the help of the B.C.O.S.

(2) Suitable pamphlets and leaflets published in easy English and Bengali on the lines of those published by the Co-operative Union of England for the benefit of the poor and even illiterate workers.

(3) Prizes or medals awarded to persons on the practical working of Co-operative Stores.

(4) Actual demonstration of the benefits derived from College Stores or the University Store.

(B) Loyalty of members to the Store.

It is of no use starting a “Co-operative Stores” amongst certain people unless those who join it give it their loyal support. A Co-operative Store is meant for trade—not with the general public—but with a certain limited class of members only. It is evident that unless that limited number of men give their best support, the “Stores” has no chance of success: we must see therefore that the members always buy from the Stores. Theoretically, of course it is to the interest of every member to buy from the Stores only, because he gets either a rebate or a bonus; and it is upon this principle that co-operative stores have been

built. But practice is widely divergent from theory. The want of loyalty of members to co-operative stores is an usual complaint in all countries, and India is no exception to the rule. At the Bangabasi College Stores, which we saw, we heard the same complaint. The practical difficulties which stand in the way are :—

(a) All members of the society do not live sufficiently near the “Stores” to be able to resort to it for all their purchases, *e.g.*, if the University Stores is located in College Street, a University student living, say, in Bhowanipore cannot be expected to go to College Street for his provisions, clothes, etc. The question of distance is a very great factor which prevents complete loyalty, particularly in a City of long distances like Calcutta. The only possible remedy is to increase the number of branches in different parts of the city so as to bring the maximum number of students within the economic circumference of the branches. But this is very difficult at the start to accomplish.

(b) Trade Jealousy—The Co-operative Stores will naturally meet with the opposition of those people in whose lines of business it will compete. This is a point which needs very little argument. Nobody ever could please his trade rivals and yet make business. If however it had been a question of merely displeasing the trade very little need be said. But we anticipate active opposition, and hence it is necessary for us to proceed very cautiously. One way of meeting this opposition would be a “Central Stores” but for reasons stated elsewhere, we are unable to recommend its establishment at present. We give here an example of the nature of opposition which we anticipate :—

The Bangabasi College Stores began to deal in books in which largest profits were expected, but they had to give up the attempt because they failed to negotiate successfully with the wholesale book-sellers, who refused to deal with them. The Book

trade is very closely organised in a Book-sellers' Association which resents intrusion by any co-operative stores into what it regards as its monopoly. The Association threw difficulties in the way of the Bangabasi College Stores ; it refused to sell to the Stores either on commission or credit, and it insisted upon the Book Branch of the Stores having a separate location, unconnected with any other business. These are some of the difficulties which confront the successful working of College Co-operative Stores ; and it is quite possible that other difficulties may be created by the Association if a College " Co-operative Stores " was actually started.

## PART II.

We now proceed to discuss the question of a " Central Federated Stores," which was referred to us in the meeting held on the 3rd July, by which the present Committee was appointed. The idea of a " Central Stores " is that the central body would be a federation of all the individual stores started in connection with each particular College. The relation between the two would be that the Central Stores will buy in large quantity wholesale from the markets and supply them to the Branch Stores. Such a " Central Stores " would have the following advantages :—

(1) If unity is the soul of co-operation, a Central Store would be the only logical destiny of Branch Co-operative Stores. It is evident that the individual co-operative stores however well-managed, must necessarily be weak and without influence, as they would consist of limited membership, limited capital and would have to deal with the limited demands of members. Under these circumstances the individual co-operative stores would not command strong positions as buyers. Coupled with this, the opposition which they would excite in the trade would not be

inconsiderable. These factors would place them in a very weak position, and it may not always be possible for them to buy as cheap wholesale as they could do under a more strongly organised system. The market might refuse to deal with them—we apprehend it will be the case at least in the Book trade. The Bangabasi College Stores is an illustration in point. If however all the College students of Calcutta could be organised in a Central Society and induced to buy their books through their College Stores, the opposition of the trade could possibly be overcome. And this can best be done by a Central Society with a larger membership and a larger custom which would assure for it the monopoly of a buyer. Such a society can negotiate on equal terms with an ordinary trade combine and thus the Central Stores would give the individual stores a reasonable chance of existence.

But unfortunately, we cannot recommend its establishment at present for the very simple reason that the constituent College Stores on which alone a Central Stores may be founded, do not exist in sufficient numbers at the present time. There are only 3 such stores now and none of them is strong enough to outlive the slightest adverse circumstances. It is therefore necessary to build a Central Society on the foundation of individual College societies.

## APPENDIX A.

### UNIVERSITY CO-OPERATIVE STORES.

1. The society which is to be registered under Act II of 1912 is to be named—"The Calcutta University Co-operative Stores."

2. Its objects are :—

(1) to assist the members of the society in purchasing at reasonable rates such commodities as are generally required by them ; (2) to carry on in common, trade, both wholesale and retail, for the benefit of the members ; (3) to encourage

thrift, self-help and co-operation generally among the members and to promote the development of co-operative ideas and enterprise among them.

3. The registered office of the society shall for the present be located at the University Buildings. Ultimately however, the office and the Stores must be removed to College Street, as near the University as possible.

4. Membership of the society shall be open to

(i) All Fellows of the University.

(ii) All Post-graduate teachers and students of the University including the University Law College.

(iii) Such other persons belonging to the permanent establishment of the University, the University Colleges (including the Law College) and the Hostels and Messes attached to such Colleges, as approved by the Board.

(iv) All ex-students and ex-teachers of such Colleges as approved by the Board.

(v) All employees of the society.

We cannot at present recommend that outsiders should come in and be allowed to participate in the benefits of the stores. It is however understood that members are to be allowed to make purchases not only for themselves but also for their families.

In the Bangabasi College Co-operative Stores, however, they sell things even to non-shareholders and outsiders after meeting in full the demands of the members.

The same rule may with advantage be followed later in the case of the University stores. Indeed, if the stores can be well advertised and well managed it can do a lot of business and supply orders of mofussil students which might be a source of great profit to the Stores.

5. Capital—The capital of the society shall be for the present Rs. 10,000 only, divided into 1,000



shares of Rs. 10 each to be subscribed by the members only. The society shall have power to increase the amount of capital by a resolution to that effect at the annual general meeting whenever it appears that more capital is necessary for the expansion and development of the society.

It is unnecessary to start with a very large capital—not at least until we are quite sure that we can employ the whole amount profitably. The amount of capital ultimately necessary will depend upon the volume of the business which in its turn will depend, first, on the number of our members and, secondly, on the loyalty which the members show in purchasing from the stores. Both these factors are at present uncertain and we ought to be cautious as regards the initial amount of our capital. It is quite possible to do a large business with a small capital if the turnover is rapid and it is therefore unnecessary to begin with a large capital. The Bangabasi College students number about 1700. But the College Co-operative Stores has a paid up capital of Rs. 1500 only. We were told by the Assistant Secretary of that stores that they did not really require more capital as the volume of business carried on was limited. Similar reasons apply in the case of the stores we are going to open. The number of students in the University Post-Graduate and the Law College and the number of teachers, Fellows etc. who are likely to join do not probably exceed 2000. The proposed stores will provide for a portion only of the needs of a fraction of these 2000 men. Hence we really do not require a very large amount of capital at the outset. Power should however be reserved to increase the capital if and when necessary.

Shares must be transferable, *e.g.*, by application. Each year some of the students who finish their courses or who leave their studies may desire to dispose of their shares. In such cases provision must be made for transferring them to new-comers. This

facility of transfer is essential; for if students understand that they can easily dispose of their shares at any time they choose, they will buy freely, whereas the non-transferability of shares will act as a great check.

Canvassing may be necessary at first to sell shares by meetings at Colleges.

The office-bearers of the society shall consist of :—

1. A President.
2. A Vice-President.
3. A General Secretary.
4. A Treasurer.
5. An Accountant.

The office-bearers are to be elected by the Board from amongst the general body of shareholders as soon as it is constituted after the annual general meeting.

*The Board* (1) It shall consist of persons representing the following classes of shareholders who shall form the Electorates :

3—from the Fellows of the Senate.

5—from the Teachers of the Post-Graduate classes (including the Law College).

15—from the Students.

2—from the Clerical Staff of the University and the employees of the society.

(2) The members of the Board shall be elected, by the respective Electorates, by ballot in the annual general meeting—to be held in the month of July on the re-opening of the Colleges after the Summer Vacation.

9 members will form a quorum.

#### EXECUTIVE COMMITTEE

(1) Immediately after the election of the office-bearers the Board shall elect from amongst themselves an Executive Committee of 7 members.

(2) The Executive Committee will appoint its own Chairman and Secretary.

(3) Quorum—3.

*The commodities in which the stores will deal.*

The selection of the commodities in which the stores shall deal is always difficult and is liable, in spite of best efforts, to be more or less arbitrary. The principles which should regulate such selection are, we take it, as follows :—

(a) They must be commodities which are of daily use and are in large demand by students who are to form the majority of members of the society.

(b) They must be commodities which do not involve the laying out of a very large amount of capital at the outset, so as to be beyond the financial means of the society.

(c) They must be commodities in which there is a fair chance of profit.

On these principles the society should in the first instance deal in the following things only :—

1. Books.

2. Stationery (paper, bound exercise books, letter-papers, envelopes, blotting papers, nibs, pen-holders, pencils, ink, soap).

*N.B.*—Exercise books, letter papers and envelopes may even be prepared by the Stores itself.

3. Provisions :—

Rice, Ghee, Atta, Dal, Oil, Flour, Fish, Potatoes, Spices, Condiments, Tea, Biscuits, Bread, Butter, and Sugar.

4. Dhoties.

5. Boots and shoes.

6. Miscellaneous—Matches, Candles, etc.

The above list may however be altered from time to time by the Board.

*Terms on which members are to be allowed to participate in the benefits of the society.*

Members may be allowed

(a) a rebate in the price ; or

(b) a bonus on the amount of annual purchases.

Generally speaking, members prefer a rebate to a bonus for the simple reason that in case of a rebate

the benefits of membership in the society are realised often—indeed, every time that a purchase is made—whereas in the case of a bonus, the benefits come once a year only.

Further, a rebate policy will be doubly welcome in these days of high prices, particularly amongst the poorer members of the student community.

But the principle of rebate is difficult to work, and unless very carefully managed, is likely to lead to very grave complications. The task of fixing the amount of rebate and the extent to which the market prices are to be reduced for sale to the members of the society are necessarily very difficult; it will require the services of trained market experts conversant with daily movements of market prices of the various commodities to determine them. To command the services of such experts will be a very difficult task at the initial stages of the society's life. If goods are sold at less than market prices, it may be suspected that the goods sold are adulterated or of inferior quality. It is of course understood that the principle of rebate can be arranged more easily in case of some commodities than in case of others, *e.g.*, books.

We are therefore unable to recommend that the principle of rebate should be adopted in all cases though we realise that such a principle, if it could be practically worked, would be very welcome to the members. We therefore recommend that

(a) In case of books the principle of rebate be adopted and books are to be supplied to members at a rate of rebate to be determined by the Board from time to time,

(b) As regards other commodities they are to be sold as near the market prices as possible and bonus is to be granted to members, at the end of the year, proportionate to the value of purchases made during the year.

*How can the University help the movement.*

1. By giving the "University Stores" a temporary location in the University Buildings.

2. By encouraging it by moral support and enabling the members of its teaching and clerical staffs, particularly at the initial stages, to buy shares by making advances—such advances being recovered in equal monthly instalments.

3. By usual propaganda work.

**RESOLVED—**

That the Secretary do forward the memorandum to the Registrar in order that it may be placed before the Syndicate with the recommendation that a Committee be appointed to reorganise University Co-operative Stores for the benefit chiefly of the departments of Arts, Science and Law, the Committee to include some representatives of each of these departments.

The Secretary reported that Mr. B. Ramchandra Rao, M.A., Assistant in the Economics Department, who was appointed by the Executive Committee, dated the 26th July, 1918 to investigate the subject of Indian Banking (dealing specially with the history and present organisation of the system of indigenous Banking) has been paid Rs. 200-0 as travelling allowance for tour in Benares, Cawnpur, Delhi, Lucknow, Lahore, Ahmedabad and Bombay for preparation of a Monograph on Indigenous System of Banking.

**RESOLVED—**

That the action taken be approved.

Read the preliminary Report of the Sub-Committee, appointed by the Executive Committee, dated the 16th August, 1919, to draft a set of resolutions on the report of the Calcutta University Commission.

**ORDERED—**

To be recorded.

The Secretary requested the Executive Committee to fix the price of Major Campbell's English translation of the Tibetan book "She-Rab Dong-Bu," printed at the Baptist Mission Press (Executive Committee, dated the 21st November, 1918).

**RESOLVED—**

That the price be fixed at Rs. 4 per copy.

The Secretary reported that Babu Satischandra Ray, M.A., University Lecturer in Economics, was away on leave from the

25th August to the 5th September, 1919, both days inclusive, on the ground of ill-health.

**ORDERED—**

To be recorded.

Read an application from Jitendranath Sanyal, who passed the B.A. Examination in 1919 from the Benares Hindu University, requesting permission to join the University Class in Ancient Indian History and Culture, and enclosing a copy of the permission granted to him by the Registrar of the aforesaid University.

**RESOLVED—**

That the application be granted and the Syndicate be requested to recognise the B.A. Degree of the Benares Hindu University as equivalent to that of this University.

The Secretary submitted two bills for Rs. 21-7 and 21-7 respectively, from Messrs. Chakrabarti Chatterjee and Co., for supplying books in Economics for the Post-Graduate Library.

**RESOLVED—**

That the bills be paid.

The Secretary submitted a bill for Rs. 35 from Messrs. A. S. Khan Brothers, for supplying flat files and some account books for the Office of the Secretary.

**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill for Rs. 1,051-4 from the Superintendent, Baptist Mission Press, for printing 500 copies of Major Campbell's English Translation of the Tibetan book, "She-Rab Dong-Bu."

**RESOLVED—**

That the bill be passed for payment.

The Secretary enquired the period for which his Office will remain close for the Pujas.

**RESOLVED—**

That the Office be closed from the 29th September to the 3rd November, both days inclusive, the Secretary to arrange, however, for the attendance by rotation of two Assistants daily with effect from 27th October, 1919.

Read a letter from Dr. Howells forwarding a list proposed by Professor Father P. T. Geevergeese of text-books in Syriac for the M.A. Examination in 1921.

**RESOLVED—**

That the following books be prescribed for the M.A. Examination in Syriac in 1920 and 1921 :—

*Paper I.*

The Book of Genesis (Peshito Version.)

Aphraat: Homily on Faith.

*Paper II.*

Ephrem Syrus: Hymns on the Epiphany.

The Book of Candles.

*Paper III.*

Cyril: Commentary on S. Luke, CXLVI—CLIV.

Dionysius Bar-Salibi: The Anaphora.

Patriarch Osthathos: The Anaphora.

Homilies on the Passion (West Syrian).

*Paper IV.*

The Books of Ruth and Amos in Hebrew.

or,

The Aramaic portions of the Book of Daniel.

*Paper V.*

Philexinos of Mabug: Discourses on Poverty.

*Paper VI.*

Eusebius: Ecclesiastical History, Books I-II. (Wright and McLean).

Jošhua the Stylite: Chronicles.

*Paper VII.*

Wright: Comparative Grammar of Shemitic Languages.

*Paper VIII.*

An essay on some subject connected with History and Antiquities of the Syrian Church and its Literature.

The following books are recommended as likely to prove helpful to the students :—

Skinner: Commentary on Genesis.

Fortescue's: The Mass, Part I.

Gibbon: Decline and Fall of the Roman Empire, Ch. 46-57.

Muir: The Caliphate: Its Rise, Decline and Fall.

Wigram: The Assyrian Church.

Rae: The Syrian Church in India.

Hoare: Eighteen Centuries of the Orthodox Greek Church.

Howells: Soul of India, Books I-III.

The Secretary submitted a bill for Rs. 34-5 from Mr. S. N. Sen for some Marathi books supplied by Mr. D. V. Potdar of Poona for the Lending Library of the Post-Graduate Department.

**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill from Messrs. R. Cambray & Co. for Rs. 4,349-2 on account of books supplied for the Lending Library of the Post-Graduate Department in the sections of English, History, Philosophy, Sanskrit, Pali, Ancient Indian History, Economics, Mathematics and Philology.

**RESOLVED—**

That the bill be paid.

Read an application from several Post-Graduate students, praying that the Library may be kept open during the ensuing vacation.

**RESOLVED—**

That arrangements be made to keep both the Post-Graduate Library and the University Library open from 12 noon to 6 P.M., during the ensuing vacation, except on the following days (which will be observed as closed holidays) :

Sundays.

October	...	1-4 (Durga Puja).
"	...	5 (Maharram).
"	...	9 and 10 (Lakshmi Puja).
"	...	23 and 24 (Kali Puja).
November	...	2 and 3 (Jagadhatri Puja).

**RESOLVED FURTHER—**

(a) That arrangements be made for the daily attendance of two Assistants and two bearers for the University Library as also for the Post-Graduate Library.

(b) That each Assistant and each bearer do receive one full month's salary as extra allowance for attendance during this period.

**RESOLVED ALSO—**

That a copy of the above resolution be forwarded to the Syndicate at once for sanction so far as the University Library is concerned.



**RESOLVED—**

That steps be taken forthwith to clear out the hall on the ground-floor and to fit it up with tables and chairs so as to convert it into a Reading-Room for use during the ensuing vacation, in respect of the books in the Post-Graduate Library.

Read a letter from Babu Radhakamal Mookerjee, M.A., University Lecturer in Economics, requesting that he may be nominated as one of the delegates of the Post-Graduate Council to the First Oriental Conference to be held in Poona in November next and stating that he shall bear his own travelling expenses.

**RESOLVED—**

That Babu Radhakamal Mookerjee be nominated as a delegate.

Read a letter from Dr. Taraporewala, submitting the following memo. of accounts of a sum of Rs. 200 sanctioned by the Executive Committee, dated the 13th June, 1919, for his journey to Ahmedabad in connection with the work of Typical Selections in Gujrathi Literature :—

	Rs.	A.	P.
Railway fare ( <i>via</i> Jubbulpur) ...	113	5	0
Luggage charges (approximately) ...	45	0	0
Incidental charges, carriage hire, food charges, etc. ...	41	11	0
Total ...	200	0	0

**ORDERED—**

To be recorded.

The Secretary reported that Babu Mohitmohan Ghose, M.Sc., Sir Rashbehary Ghose Research Scholar in Applied Mathematics, who had been appointed Assistant in the Department of Pure Mathematics on an additional allowance of Rs. 150 a month had ceased to be Research Scholar from 1st June last and had from that date been lecturing in addition to doing tutorial work.

**RESOLVED—**

That Babu Mohitmohan Ghose, M.Sc., be appointed University Lecturer with effect from 1st June, 1919 and that his salary be fixed at Rs. 200 from that date.

The President made a statement as to the steps he had taken to secure the employment for a term of five years of

Mr. Arthur Brown, M.A., LL.B., Professor, Cotton College, Gauhati, as University Professor of International Law (Public and Private) to be attached to the University Law College and the Post-Graduate Department of the University, the salary of the proposed Chair to be met from both departments in such proportion as might be agreed upon by the Governing Body and the Executive Committee respectively.

**RESOLVED—**

That the action taken be approved.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

**No. 11.**

THE 19TH SEPTEMBER, 1919.

*(In Circulation.)*

Read the following letter addressed to the President by  
Babu Gopaldas Chaudhuri, M.A., B.L. :—

32, " Beadon Row,  
Calcutt,

*The 17th September, 1919.*

To

THE PRESIDENT,

POST-GRADUATE COUNCIL,

CALCUTTA UNIVERSITY.

MY DEAR SIR,

I desire to associate myself with your scheme for the development of the Post-Graduate study of Indian Vernaculars in our University and with this end in view, I desire to institute a Lecturership in Bengali for a term of three years. I shall contribute Rs. 1,200 a year for the maintenance of the Lecturership. As soon as my proposal is accepted, I shall send a cheque for Rs. 1,200 representing my first year's contribution.

Yours sincerely,

**GOPALDAS CHAUDHURI."**

**RESOLVED—**

That the Executive Committee recommend that the Senate be moved to accept the gift with thanks.

**(Confirmed.)**

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. MOOKERJEE,**

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

**No. 12.**

THE 22ND SEPTEMBER, 1919

*(In Circulation.)*

Read the following letter addressed to the President by  
Mr. G. D. Birla :

“CANNING HOUSE,”  
137, CANNING STREET,  
Calcutta, 21st September, 1919.

To

The Hon'ble Justice Sir Asutosh Mookerjee, Kt., M.A.,  
D. L., Saraswati, &c., President, Council of Post-Graduate  
Teaching in Arts, Calcutta University.

SIR,

On the representation of Pandit Madhav Misra, I have  
pleasure in offering a sum of Rs. 15,000 (Rupees fifteen thousand  
only) for including Hindi as a principal Indian Vernacular in  
the curriculum of the University for the Degree of Master of  
Arts. The sum will be sent on the acceptance of this proposal  
of mine.

Hoping that you will accept the offer.

I remain,  
Yours faithfully,  
G. D. BIRLA.”

**RESOLVED—**

That the Executive Committee recommend that the Senate  
be moved to accept the gift with thanks.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

**No. 3.**

THE 22ND SEPTEMBER, 1919.

## Present:

The Hon'ble Sir Asutosh Mukerjee, Kt., C.S.I., M.A., D.L., D.Sc.,  
Ph.D., *President, in the Chair.*

Babu Dhireschandra Acharyya, M.A.  
Dr. Haridas Bagechi, M.A., Ph.D.  
Babu Charuchandra Banerjee, B.A.  
Dr. Gauranganath Banerjee, M.A.,  
Ph.D.  
Babu Hariprasanna Banerjee, M.Sc.  
„ Indubhushan Banerjee, M.A.  
„ Jaygopal Banerjee, M.A.  
Mr. J. E. Banerjee, M.A.  
Babu Prarnathnath Banerjee, M.A.  
Dr. Benimadhab Barua, M.A.,  
D.Litt.  
Babu Satishchandra Basu, M.A.  
Prof. D. R. Bhandarkar, M.A.  
Babu Krishnachandra Bhattacharyya, M.A.  
„ Pasupatinath Bhattacharyya,  
M.A.  
„ Indubhushan Brahmachari,  
M.A.  
„ Haranachandra Chakladar,  
M.A.  
„ Niranjanprasad Chakrabarti,  
M.A.  
„ Prabhatchandra Chakrabarti,  
M.A.  
„ Satishchandra Chakrabarti,  
M.A.  
Mr. A. K. Chanda, B.A.  
Babu Nalininobhan Chatterjee, M.A.  
„ Nirmalchandra Chatterjee,  
M.A.  
„ Satishchandra Chatterjee, M.A.  
„ Rohininobhan Chaudhuri, M.A.  
Mr. J. N. Das Gupta, B.A.  
Babu Nalinakshu Datta, M.A.  
„ Rabindranobhan Datta, M.A.  
Bhikkhu Kukulnape Devarakshita.  
Babu Sasindrachandra Dhar, M.Sc.  
Mr. P. Gangooly, M.A.  
Babu Surendranobhan Ganguli,  
M.Sc.

Mr. B. C. Ghosh, M.A., M.B.  
Babu Jyotischandra Ghosh, M.A.  
„ Mohitmohan Ghosh, M.Sc.  
„ Praphullachandra Ghosh, M.A.  
„ Praphullachandra Ghosh,  
M.A., B.Sc.  
„ Satishchandra Ghosh, M.A.  
„ Rajanikanta Guha, M.A.  
Rai Bahadur B. A. Gupte, F.Z.S.  
Dr. Hiralal Haldar, M.A., Ph.D.  
Mr. J. W. Holme, M.A.  
Dr. Ramdas Khan, M.A., Ph.D.  
Mr. R. Kimura  
Rajguru Bhagabanchandra Mahastabir.  
Babu Haripada Maiti, M.A.  
„ Susilkumar Maitra, M.A.  
„ Bijaychandra Majumdar,  
B.A.  
„ Narendrakumar Majumdar,  
M.A.  
Dr. Ramachandra Majumdar,  
M.A., Ph.D.  
Babu Surendranath Majumdar,  
M.A.  
Mr. J. Masuda.  
Maulvi Abu Musa Ahmadul Haq.  
Maulvi Aga Md. Kazim Shirazi.  
Pandit Babuya Misra, Jyotischaryya.  
Babu Ambikacharan Mitra, M.A.  
„ Panchanan Mitra, M.A.  
„ Sailendranath Mitra, M.A.  
Dr. Adityanath Mukerjee, M.A.,  
Ph.D.  
Babu Bijaygopal Mukerjee, M.A.  
Dr. Harendracoomar Mukerjee,  
M.A., Ph.D.  
Babu Panchanandas Mukerjee,  
M.A.  
„ Rudhakamal Mukerjee, M.A.

Dr. Syamadas Mookerjee, M.A.,  
Ph.D.

Babu Jitendraprasad Niyogi, M.A.  
Samana Punnaananda.

Babu Hemchandra Raychaudhuri,  
M.A.

„ Debendranath Ray, M.A.

„ Kinnabandhu Ray, M.A.

„ Subhaschandra Ray, M.A.

„ Krishnabinod Saha, M.A.

Mr. Surendramohan Sanyal, M.A.,  
M.Sc.

„ Bejoykumar Sarkar, A.B.

Pandit Asutosh Sastri, M.A.

Mahamahopadhyay Laksman  
Sastri.

Pandit Sitaram Sastri.

Dr. Brajendranath Seal, M.A.,  
Ph.D.

Mr. Arun Sen, B.A.

Babu Bipinbihari Sen, M.A.

Rai Saheb Dineschandra Sen, B.A.

Babu Surendranath Sen, M.A.

Dr. Narendranath Sengupta, M.A.,  
Ph.D.

Babu Prabodhchandra Sengupta,  
M.A.

Pandit Hargovinda Das Seth.

Samana R. Siddhartha.

Babu Jogisichandra Sinha, M.A.

Shams-ul-Ulama Vilayet Hossain.

Shams-ul-Ulama Maulvi Md.

Yuzuf Jafri Khan Bahadur.

Prof. H. Stephen, M.A., D.D.

The Hon'ble Dr. A. Sutrawardy,  
M.A., Ph.D.

Prof. I. J. S. Taraporewala, B.A.,  
Ph.D.

Mahamahopadhyay Pramathanath  
Tarkabhushan.

Pandit Krishnachandra Tarka-  
lankar.

Pandit Rajendranath Vidy-  
abhushan.

Mahamahopadhyay Dr. Satis-  
chandra Vidyabhushan, M.A.,  
Ph.D.

Rev. Dr. J. Watt, M.A., D.D.

Dr. Seal moved that the Proceedings of the Executive Committees, dated the 16th August, 20th August, 9th September, 16th September, 19th September and 22nd September, 1919, be confirmed.

Mahamahopadhyay Dr. S. C. Vidyabhushan seconded the motion.

Principal Watt expressed his dissent from the scheme for the establishment of "University Co-operative Stores" for the benefit of the members of the University Departments in Arts, Science and Law.

Babu Radhakamal Mookerjee, Babu Panchanandas Mookerjee, Mr. A. K. Chanda, Babu Rajanikanta Guha and Mr. J. R. Banerjee expressed their disagreement with the views indicated by Dr. Watt.

Dr. Seal replied and pointed out that the proposed Stores would not be run by the University as such and would be an entirely Voluntary Association.

The President stated that there was no intention to secure co-operation by compulsion.

The motion was put to the vote and carried.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. MOOKERJEE,

*President.*

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts**

**FOR THE YEAR 1919-20.**

**No. 13.**

**THE 27TH SEPTEMBER, 1919.**

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.A.  
Examination in Pali, 1919 :—

**RESOLVED—**

That the following list be published :—

**M.A. EXAMINATION, 1919.**

**FALL.**

**GROUP A.**

*Class I.*

**Sen, Manadaprasanna** ... **University Student.**

**GROUP C.**

*Class I.*

**Das, Kunjalal** ... **Non-Collegiate Student.**

**(Confirmed.)**

**ASUTOSH MOOKERJEE,      H. C. MOOKERJEE,**

*President.*

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts**

FOR THE YEAR 1919-20.

**No. 14.**

THE 27TH SEPTEMBER, 1919.

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.A.  
Examination in Comparative Philology, 1919 :—

**RESOLVED—**

That the following list be published :—

**M.A. EXAMINATION, 1919.**

**COMPARATIVE PHILOLOGY.**

**CLASS I**

*In order of merit.*

* Sarkar, Hemantakumar	...	University Student.
Ray, Baidyanath	...	Ditto.

**(Confirmed.)**

**ASUTOSH MOOKERJEE,      H. C. MOOKERJEE,**

*President.*

*Secretary.*

\* Thesis on "the outlines of the Bengali Semantics,"



**Proceedings of the Executive Committee  
of the Council of Post-Graduate  
Teaching in Arts**

FOR THE YEAR 1919-20.

**No. 15**

THE 27TH SEPTEMBER, 1919.

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.A.  
Examination in Sanskrit (Groups B, C, E and G), 1919.

**RESOLVED—**

That the following list be published :—

**M.A. EXAMINATION, 1919.**

**SANSKRIT.**

**GROUP B.**

**CLASS I.**

Handiqui, Krishnakanta ... University Student.

**GROUP C.**

**CLASS I.**

Sarma, Kamadacharan ... University Student.

**CLASS II.**

Mukhopadhyay, Krishnamohan . University Student.

**GROUP E.**

**CLASS II.**

Mukhopadhyay, Jogeschandra ... Non-Collegiate Student.

**GROUP G.**

**CLASS II.**

Bhattacharyya, Harimohan ... Non-Collegiate Student.

**(Confirmed.)**

**ASUTOSH MOOKERJEE,**  
*President.*

**H. C. MOOKERJEE,**  
*Secretary.*

**Proceedings of the Executive Committee  
of the Council of Post-Graduate  
Teaching in Arts**

FOR THE YEAR, 1919-20.

**No. 16.**

THE 27TH SEPTEMBER, 1919.

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.A. and M.Sc. Examinations in Experimental Psychology, 1919.

**RESOLVED—**

That the following list be published :—

**MA. EXAMINATION, 1919.**

**EXPERIMENTAL PSYCHOLOGY.**

**CLASS I.**

*(In order of merit.)*

Mitra, Suhritchandra	...	University Student (Scottish Churches College.)
„ Sailesharan	...	University Student.

**CLASS II.**

*(In order of merit.)*

Haldar, Asalatika	...	University Student.
Ghatak, Taranath	...	Ditto.
Ghosh, Manoranjan	...	Ditto.
Bhattacharyya, Akhilechandra	...	Ditto.

**MA. EXAMINATION, 1919.**

**EXPERIMENTAL PSYCHOLOGY.**

**CLASS I.**

Pal, Gopeswar	...	University Student.
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(Confirmed.)

ASUTOSH MOOKERJEE,	H. C. MOOKERJEE,
<i>President.</i>	<i>Secretary.</i>

**Proceedings of the Executive Committee  
of the Council of Post-Graduate  
Teaching in Arts**

FOR THE YEAR 1919-20.

**No. 17.**

THE 5TH NOVEMBER, 1919.

*(In Circulation.)*

Read the following letter addressed to the President :—

“ To

THE HON'BLE THE PRESIDENT,

COUNCIL OF POST-GRADUATE TEACHING IN ARTS.

SIR,

I beg to make over to the University, Government Promissory Notes worth Rs. 3,000 (three thousand only) bearing interest at  $3\frac{1}{2}$  per cent. for the purpose of creating an endowment in memory of my deceased father Babu Banko Behary Banerjee on the following conditions :

(1) That out of the interest of the said Government Promissory Notes a gold medal be annually awarded to the successful candidate in M.A. Examination in Political Economy scoring the highest number of marks in “ Banking and Currency ” as his special subject.

(2) That on one side of the medal be inscribed the armorial design of the University and on the other side, the name of the recipient together with the inscription “ Awarded in memory of Banko Behary Banerjee—Resident Zemindar, Altapole, Jessore.”

(3) That the name of the medallist be published in the University Calendar and the Calcutta Gazette.

(4) That the medal be called the "Banko Behary Banerjee Medal."

(5) That the whole of the interest accruing from the amount be devoted to the finish and make of the medal and not spent otherwise.

I shall feel obliged if the University would kindly accept my offer.

Permanent Address :

Altapole, Keshabpur,

Jessore,

*The 5th November, 1919.*

Yours obediently,

(Sd.) SACHISWAR BANERJEE,

86-2, Machooa Bazar St., Calcutta."

**RESOLVED—**

That the Executive Committee recommend that the offer be thankfully accepted.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

**No. 18.**

THE 7TH NOVEMBER, 1919.

**Present:**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

Rai A. C. Bose, Bahadur, M.A.	Mr. Bipinbihari Sen, M.A.
Pandit Muralydhar Banerjee, M.A.	Mr. Satishchandra Ray, M.A.
Rai Sahab Dineschandra Sen, B.A.	Dr. Pramathanath Banerjee, M.A.,
Professor Brajendranath Seal, M.A.,	D.Sc.
Ph.D.	Dr. C. E. Cullis, M.A., Ph.D.
Mr. Girindrasekhar Bose, M.Sc., M.B	Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following Proceedings of a Conference convened by the President for the purpose of discussing a scheme for Research Work in the Department of Sanskritic Studies, dated the 19th September, 1919 :—

"The Conference was held to outline a plan for organization of research in the department of Sanskrit, Pali and cognate studies.

The following resolutions were adopted :—

(1) That a series of volumes to be known as the "Calcutta Oriental Series" and to be edited chiefly by members of the University staff should be published.

(2) That the series should consist principally of texts and English translations with introductions and notes, critical, historical and explanatory.

(3) That the preparation of the following works be taken in hand :—

(a) Viswakarmabatastra—Text and translation—by Professor D. R. Bhandarkar and Mr. Niranjan Chakrabarti

(b) The Bhasya of Nimbarka on the Vedanta Sūtras—translation—by Mr. Dhireschandra Acharyya.

(c) Siddhantaleśa—translation—by Mr. Kokileswar Sastri.

(d) Doshinamamala—text and translation—by Pandit Muralydhar Banerjee and Pandit Haragobindadas Seth

(e) Mahabhasya—translation—by Mr. Prabhatchandra Chakrabarti.

(4) That the Executive Committee be requested to provide necessary facilities to the editors and translators.

(5) That each editor or translator be requested to submit a quarterly statement of the progress made in the work assigned to him.

(6) That wherever practicable instalments of the different works be published from time to time in the Journal of the Department of Letters before publication in final form in the "Oriental Series."

(7) That the question of the appointment of a Board of General Editors for the series be postponed till the next meeting."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 4th November, 1919 :—

**"RESOLVED—**

That Harbort Bruce Hannah, Esq., author of "A Grammar of the Tibetan Language," "European and other race origins," "The Secret of Egyptian Chronology" and "Culture and Kultur Race Origins," be appointed University Lecturer on Archaeology in the Department of History for a term of two years on a salary of Rs. 300 a month."

**RESOLVED—**

That the Proceedings be confirmed.

The President stated that he had received a communication from Major W. W. Campbell stating that Geshe Lobzang Targay had been selected by His Holiness the Dalai Lama for employment in the University and that he arrived at Kalimpong from Lhasa.

**RESOLVED—**

That Geshe Lobzang Targay be appointed Tibetan Instructor in the University on a remuneration of Rs. 200 a month from the date of his arrival at Kalimpong and that he be paid Rs. 100 a month from the date when he left Lhasa to the date when he reached Kalimpong.

Read a memo. from the Controller of Examinations, reporting that, with the approval of the Hon'ble the President, Mr. J. C. Scrimgeour had been appointed a Member of the Board of Examiners in English for the M.A. Examination, 1919.

**RESOLVED—**

That the action taken be approved.

Read a letter from Dr. Prabhu Dutt Shastri, M.A., Ph.D., University Lecturer in Philosophy, requesting leave up to the end of this session.

**RESOLVED—**

That his resignation be accepted and be notified to the D. P. I., Bengal, and to the Accountant of the University.

**RESOLVED ALSO—**

That the letter be placed before the Board of Higher Studies in Philosophy to arrange for the work originally assigned to Dr. P. D. Shastri.

Read a letter from Babu Jogindranath Bose, B.A., University Lecturer in Bengali, requesting leave up to the end of this month on ground of ill health.

**RESOLVED—**

That the leave be granted and the letter be laid before the Board of Higher Studies in Indian Vernaculars.

The Secretary reported that the "Sir Asutosh Mookerjee" Prize in Indian Vernaculars had been awarded to Babu Praphullachandra Chaudhuri on the result of an examination held on the 20th September, 1919.

**RESOLVED—**

That the award be confirmed.

Read a D. O. letter from the Assistant Director of Public Instruction, Bengal, informing that Babu Ramaprasad Chanda has been permitted to join the University as University Lecturer in Indian History and Culture with effect from the 1st November, 1919, in anticipation of Government sanction.

**ORDERED—**

To be recorded.

Read a letter from Rai Saheb Dineschandra Sen, B.A., reporting that Babu Bhupatinath Tarafdar, typist in the Office of the Secretary, typed Ramtann Lahiri Research Fellowship Lectures for the session 1918-19 in 275 sheets of foolscap papers in duplicate by working during the last Puja Holidays.

**RESOLVED—**

That Rs. 45 be paid to Babu Bhupatinath Tarafdar for the work.

Read an endorsement from Rev. Dr. J. Watt, forwarding, with his recommendation, an application from Umapada Datta, a candidate of the last M.A. Examination in English (Roll Cal. E. (A), 137), who was very ill a fortnight before the Examination and sat for only the First Paper, requesting permission to appear at the next Examination as a University Student.

**RESOLVED—**

That the application be granted.

The Secretary submitted an estimate for Rs. 447 for printing 500 copies of Mr. H. B. Hannah's lectures on "Culture and Race Origins" at the University Press.

**RESOLVED—**

That the estimate be sanctioned and the lectures be printed at the University Press in an edition of 500 copies.

The Secretary stated that arrangements had been made to print 500 copies of the Typical Selections from Oriya Literature edited by Mr. B. C. Majumdar at the Baptist Mission Press at Rs. 4-8 per page (Executive Committee, dated the 16th September, 1919).

**RESOLVED—**

That the arrangements made be sanctioned.

The Secretary reported that Babu Brajamohan Thakur, M.A., Instructor in Hindi, who was paid Rs. 125 (Executive Committee, dated the 9th September, 1919) for the purpose of collecting old manuscripts and books in Maithili language from Darbhanga and Benares had to spend Rs. 112-10 for the aforesaid purpose and requesting sanction of payment of the balance, namely Rs. 17-10.

**RESOLVED—**

That the balance be paid.

The Secretary submitted a bill for Rs. 145-8 from Babu Panchanan Mitra, M.A., University Lecturer in Indian History and Culture for expenses incurred in connection with the tour undertaken by him for purposes of pre-historic research in company with the Curator of the Patna Museum in the districts of Manbhum and Singhbhum (the Lecturer was paid Rs. 75 in advance).

**RESOLVED—**

That the advance payments be sanctioned and the balance be paid.

The Secretary submitted a bill for Rs. 27 from the Indian School Supply Depot for supplying 24 boxes of white chalk for the University Classes.

**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill for Rs. 37-8 from the Remington Typewriter Company, Limited, for supplying two copyholders.

**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill for Rs. 27 from M. K. Rahman for supplying three dozens folded files for his office.

**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill for Rs. 22-6 from Messrs. Matilal Banarsi Dass for supplying books in Sanskrit for the Post-Graduate Lending Library.



**RESOLVED—**

That the bill be paid.

The Secretary submitted a bill for Rs. 26 from Mr. Chandradhar Gulevi for supplying one copy of “Prachinalipi Mala.”

**RESOLVED—**

That the bill be paid.

The Secretary reported that with the approval of the Hon'ble the President Rs. 150 was paid to Lala Sita Ram, editor of the Typical Selections from Hindi Literature for the expenses incurred by him in typing, copying, etc., the manuscript of the Hindi Selections.

**RESOLVED—**

That the payment be confirmed.

The Secretary reported that a thesis has been received for the “Ramrakshi Gold Medal” and requested the Executive Committee to appoint a Board of Honorary Examiners consisting of not more than three experts to examine the thesis.

**RESOLVED—**

That the following Board of Examiners be appointed :—

Prof. Brajendranath Seal, M.A., Ph.D.

Mahamahopadhyay Dr. Satishandra Vidyabhushan,  
M.A., Ph.D.

Pandit Kokileswar Bhattacharyya, M.A.

**RESOLVED—**

That the Secretary be authorised to request the Board of Accounts to make the following provisions in the Budget in modification of the sums mentioned previously in the Proceedings of the Executive Committee, dated the 17th May, 1919 :—

			Rs.
Professors and Teachers	...	...	3,50,000
Pension contribution	...	...	1,575
Travelling Allowance	...	...	2,500
Scholarship	...	...	4,740
Secretary	...	...	7,200
Assistants	...	...	14,200
Menials	...	...	4,200
Contingencies and Stationery	..	...	3,000
Furniture	...	...	2,500
Books and Periodicals	...	...	10,000
Indian Vernacular Scheme	...	...	4,000
Provident Fund for Professors and Teachers	...	...	13,850
Proportion of Electric Expenses	...	...	3,500

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Total Rs. ... 4,21,265

The Secretary reported that £30 had been forwarded to Messrs. Heffer & Sons, Cambridge, in part payment for a complete set of Notes and Queries.

**RESOLVED—**

That the advance payment be sanctioned.

Read a letter from Rai Bahadur B. A. Gupte, presenting a copy of his book on "Hindu Holidays and Ceremonials" to the Post-Graduate Lending Library.

**RESOLVED—**

That the gift be accepted with thanks.

The President stated that he had, on behalf of the Council, sent an invitation to the Oriental Conference now assembled at Poona to hold the next sitting at Calcutta under the auspices of the University.

**RESOLVED—**

That the action taken be approved.

The Secretary stated that Bhagabat Peon had removed blank answer books with a view to dispose them off and that he had admitted his guilt.

**RESOLVED—**

That the services of the Peon in question be dispensed with.

**RESOLVED—**

That the Executive Committee recommend that an additional allowance of Rs. 100 a month out of the Lahiri Fund be granted to Rai Sahab Dineschandra Sen, B.A., for the assistance rendered by him in the work of the department of the Indian Vernaculars.

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. MOOKERJEE,**

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

**No: 19.**

THE 8TH NOVEMBER, 1919.

*(In Circulation.)*

Read the Report of the Examiners for the M.A. Examination in Sanskrit Groups A, D, H, and I, 1919.

**RESOLVED—**

That the following list be published :—

*M.A. Examination, 1919.*

**SANSKRIT—GROUP A.**

**CLASS I.**

*(In order of merit.)*

Bhattacharyya, Rasamay	...	University Student.
Karmakar, Ramsasi	...	Ditto.

**CLASS II.**

*(In order of merit.)*

Bhattacharyya, Bijaymohan	...	University Student.
Mukhoti, Himansunath	...	Ditto.
Chaudhuri, Kalidas	...	Non-collegiate Student.
Chattopadhyay, Rasamay	...	Ditto.

**GROUP D.**

**CLASS I.**

*(In order of merit.)*

Bhattacharyya, Surendranath	...	University Student.
Das, Sudhendukumar	...	Ditto.

## GROUP H.

## CLASS II.

Bhattacharyya, Haridas ... University Student.

## GROUP I.

## CLASS I.

(In order of merit.)

Bhattacharyya, Binaytosh ... University Student.

Misra, Lingaraj ... Ditto.

## CLASS II.

Majumdar, Sureschandra ... University Student.

Read the Report of the Examiners for the M.A. Examination in Ancient Indian History and Culture, 1919.

## RESOLVED—

That the following list be published :—

*M.A. Examination, 1919.*

## ANCIENT INDIAN HISTORY AND CULTURE.

## CLASS II.

Ghatak, Jyotischandra ... Non-Collegiate Student.

Read the Report of the Examiners for the M.A. Examination in Arabic and Persian, 1919.

## RESOLVED—

That the following list be published :—

*M.A. Examination, 1919.*

## ARABIC.

## CLASS I.

Ahmed Abdul Wahab ... University Student.

## CLASS II.

*(In order of merit.)*

{	Khalilur Rahman Md. Nurul Islam.	University Student.
	Khorsheed Ali Talukdar	... Ditto.
	Zillor Rahaman	.. Ditto.

## PERSIAN.

## CLASS III.

*(In order of merit.)*

Mohammad Fazle Rab	...	University Student.
Wahidun Naby Khan	...	Non-Collegiate Student.

Read the report of the Examiners for the M.A. Examination in History, 1919.

## RESOLVED—

That the following list be published : -

*M.A. Examination, 1919.*

## HISTORY.

## CLASS I.

*(In order of merit.)*

Sen, Rakhalechandra	...	University Student (Presidency College.)
Acharyya, Nilmoni	...	Ditto.
{ Bhattacharyya, Sudhindranath	...	University Student.
{ Sikdar, Khagendranath	...	Ditto.
{ Bhattacharyyya, Hemendranarayan.	...	University Student. (Presidency College.)
{ Chakrabarti, Tripurari	...	University Student. (Dacca.)

## CLASS II.

*(In order of merit.)*

Dasgupta, Nirmalendu	...	University Student.
{ Bandyopadhyay, Kishorimohan	...	Ditto.
{ Urs. R. Puttaraj...	...	Ditto.

Chakrabarti, Haréndrakumar...	University Student.
Mukhopadhyay, Phanindramohan	Ditto.
Haldar, Anathbandhu ...	Ditto.
Ray, Kshirodlal ...	University Student. (Presidency College.)
Guha, Manindrachandra ...	University Student.
Basu, Nripendranath ...	Ditto.
„ Phanindranath ...	Ditto.
„ Kamalkrishna ...	Ditto.
{ Muhammad Gulam Kadir ...	Ditto.
{ Charles Ambrose ...	Non-Collegiate Student.
{ Sengupta, Ramaniranjana ...	Ditto.
{ Sinha, Suryanarayan ...	University Student.
Bandyopadhyay, Praphullanath	Non-Collegiate Student.
{ Ghosh, Suhridkrishna ...	Ditto.
{ Mitra, Golakechandra ...	Ditto.
{ Dasgupta, Upendranath ...	Ditto.
{ Bandyopadhyay, Bankimchandra.	University Student.
{ „ Jitendrachandra	Ditto.
{ Biswas, Bibhutibhusan ...	Ditto.
Sarkar, Sushilkrishna ...	Ditto.
{ Bandyopadhyay, Kalikumar ...	University Student. (Presidency College.)
Sarkar, Jogeschandra	Ditto.
Bhaumik, Rameschandra	University Student. (Dacca.)

## CLASS III.

*(In order of merit.)*

Basu, Pramathanath	University Student.
{ Chaudhuri, Ranjitchandra ...	Ditto.
{ Ray, Kshirodkumar ...	Non-Collegiate Student.
{ Ghosh, Harashitchandra ...	University Student.
{ „ Tarapada... ...	Non-Collegiate Student.
{ Pal, Jitendranath ...	University Student.
{ Dasgupta, Sudhirmohan ...	Ditto.
Mitra, Jatindranath ...	Non-Collegiate Student.
{ Ray, Kanakkumar ...	University Student.
{ Bhaduri, Debibhushan ...	Ditto.
{ Bhattacharyya, Pramathanath	Ditto.
{ Ghosh, Bijaygopal ...	Non-Collegiate Student.
{ Sengupta, Abinaschandra ...	Ditto.
{ Barua, Dhirendralal ...	Ditto.
{ Bandyopadhyay, Baidyanath ...	University Student.
{ Nandi, Dhirendrakrishna ...	Ditto.

{ Jehan Ali Khan	...	University Student.
{ Ray, Satishchandra	...	Non-Collegiate Student.
Gangopadhyay, Nisikanta	...	Ditto.
Ghosh, Bhupendrakrishna	...	University Student.
{ Bandyopadhyay, Manmathanath		Ditto.
{ Bishnu, Jitendralal	...	University Student..
		(Presidency College.
{ Das, Saratchandra	...	University Student.
{ Bhaduri, Jitendranath	...	Ditto.
{ Sahabanik, Kauailal	...	Ditto. ((Dacca.)
{ Ghosh, Saralkumar	...	Non-Collegiate Student.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

**No 20.**

THE 15TH NOVEMBER, 1919.

*(In Circulation).*

Read the Report of the Board of Examiners for the M.A. Examination in Political Economy and Political Philosophy, Groups A and B, 1919.

**RESOLVED—**

That the following list be published :—

**M. A. EXAMINATION, 1919.**

**POLITICAL ECONOMY AND POLITICAL PHILOSOPHY.**

**GROUP A.**

**FIRST DIVISION.**

*(In order of merit).*

Bali, Amarnath	...	University Student (Presidency College).
Sarkar, Akshaykumar	...	Non-Collegiate Student.
Bandyopadhyay, Debendranath	...	University Student (Presidency College)
Bandyopadhyay, Surendranarayan		Ditto.
Dasgupta, Bhanubhusan	...	University Student (Scottish Churches College).
Ghosh, Kirankumar		Non-Collegiate Student.
Saha, Nripendranath	...	University Student.
Sen, Satischandra	...	Ditto.



## SECOND DIVISION.

*(In order of merit).*

Ray, Ajitkumar	...	University Student (Presidency College).
Ghosh, Bhabatosh	...	University Student.
Ray, Sudhirkumar	...	University Student (Dacca).
Bandyopadhyay, Nripendrabihari	...	University Student.
{ Basu, Jatishchandra	...	University Student (Presidency College).
{ Ray, Lalitchandra,	...	Non-Collegiate Student
Chattopadhyay, Mrityunjay	...	University Student.
Chakravarti, Dhireschandra	..	Ditto.
Niyogi, Sisirkumar	..	Ditto.
Bandyopadhyay, Sachiswar	...	Ditto. (Presidency College).
Sen, Praphullakanial	..	University Student.
Khatti, Mahesprasad	...	Ditto.
Gangopadhyay, Siddheswar	...	University Student.
Sen, Hemantakumar	...	Ditto.
Basu, Satyendranath	..	Ditto. (Presidency College).
Chattopadhyay, Umeshchandra	...	University Student.

## THIRD DIVISION.

*(In order of merit).*

Ray, Gokulkrishna	Non-Collegiate Student.
„ Bipinbihari	Ditto.
Sen, Sureschandra	Ditto
Datta, Ranendranath	University Student. (Presidency College).
„ Sukhamay	University Student.
Sarkar, Saurindranath	Ditto.
C. H. Rustomjee Manackjee	Ditto.
Ray, Nagendranath	Non-Collegiate Student.
Mukhopadhyay, Sudhirchandra	University Student.
Ray, Gourmohan	Ditto.
Basu, Bimanchandra	Non-Collegiate Student.
Chanda, Debendrakumar	Ditto.
Mitra, Khagendranath	University Student (Dacca).
Sengupta, Rabindranath	Non-Collegiate Student.
Aryya, Bholanath	Ditto.

## GROUP B.

## FIRST DIVISION.

*(In order of merit.)*

De, Kshemeschandra	...	Non-Collegiate Student.
Sarkar, Pramathanath		University Student
(Cal. Ec. B. No. 12).		(Presidency College).

## SECOND DIVISION.

*(In order of merit.)*

Dasgupta, Narendrakumar	...	University Student.
Ray, Kamalapada	...	Non-Collegiate Student.
Sinha, Brahmadevanarayan	...	Ditto
Mukhopadhyay, Jatindramohan		Ditto
Kazi Abdul Adud	...	University Student (Presidency College.)
Sen, Hemendrachandra	...	Non-Collegiate Student.
Jugal Behari	...	Ditto
Sen, Nanindrachandra	...	University Student.
Amin Ahmed Choudhury	...	University Student (Presidency College.)
Basu, Manindralal	...	Non-Collegiate Student.
Sarkar, Pramathanath (Ec. B. No. 10.)		University Student (Presidency College.)

## THIRD DIVISION.

*(In order of merit.)*

Basu, Nalinchandra	...	University Student.
Gupta, Himansumohan	..	Ditto
{ Basu, Bankimchandra	..	Non-Collegiate Student.
{ Datta, Bhupatimohan	..	Ditto
{ „ Rameschandra	..	Ditto
{ Ray, Nitindranath	..	University Student.
Gangopadhyay, Satyendrakumar		Non-Collegiate Student.
Ghosh, Sribhusan	..	Ditto
Saha, Surendrachandra	..	University Student.
Sarkar, Praphullakumar	..	Non-Collegiate Student.
Gupta, Amritamay	..	University Student.
Ghosh, Pramodkumar	..	Non-Collegiate Student.
Sarkar, Purnachandra	..	Ditto

Read the Report of the Board of Examiners for the M.A. Examination in Pure Mathematics, 1919.

## RESOLVED—

That the following list be published :—

## M.A. EXAMINATION, 1919.

## PURE MATHEMATICS.

## CLASS I.

(*In order of merit.*)

Das, Bankinchandra	University Student (Scottish Churches College.)
Bhattacharyya, Panchanon	University Student.
Raichaudhuri, Sureschandra	Non-Collegiate Student.
Bhattacharyya, Kamalakinkar	Ditto
Mukhopadhyay, Narendranath	University Student (Presidency College.)
Ghatak, Manujnath	Ditto
Ghosh, Sudhansukumar	University Student.
Chakravarti, Karunakanta	Ditto
{ Bhaumik, Nishikanta	University Student (Scottish Churches College.)
{ Chattopadhyay, Nareschandra	University Student.
Mukhopadhyay, Dhirendranath	University Student.
Halder, Krishnaprasanna	Non-Collegiate Student.
Som, Narendranath	University Student.
Datta, Sudhirechandra	University Student (Presidency College.)
Bandyopadhyay, Satyabrata	University Student.
Sengupta, Basantakumar	Non-Collegiate Student.
{ Ghosh, Bhansadhar	Ditto
{ Pradhan, Maheschandra	University Student.
Pramanik, Anarnath	Ditto
Bhattacharyya, Phanindralal	Non-Collegiate Student.

## CLASS II.

(*In order of merit.*)

Ray, Bhutnath	University Student.
Chaudhuri, Sureswar	Non-Collegiate Student.
Delwar Hosain Khan	University Student.

## CLASS III.

*(In order of merit).*

Sen, Upendrachandra	...	Non-Collegiate Student.
Ghosh, Harisadhan	...	Ditto
Ray, Srinath	...	Ditto
Datta, Bankimchandra	...	University Student.
Brahma, Tarapada	...	Ditto
Sarkar, Bijoybhusan	...	Non-Collegiate Student.
Basu, Jagadischandra	...	University Student.
Sinha, Gopalchandra	...	Ditto

## M.Sc. EXAMINATION, 1919.

## PURE MATHEMATICS.

## CLASS I.

*(In order of merit),*

Mallik, Phanilal	...	University Student (Presidency College)
Pramanik, Arunoday	...	Ditto
Bandyopadhyay, Kumudkumar	...	University Student.
Sinha, Tarapada	...	Ditto
Raichaudhuri, Nikhilchandra	...	Non-Collegiate Student.
Ghosh, Dasarathi	...	University Student.
Datta, Amulyaratan	...	Non-Collegiate Student.

## CLASS II.

*(In order of merit).*

Mukhopadhyay, Lalitmohan	...	University Student.
Basu, Kananbihari	...	Ditto
Reddi, T. Kasturi	...	Ditto
Basu, Haridas	...	Non-Collegiate Student.
Ray, Nripendrkrishna	...	University Student (Presidency College)
Nag, Satyaranjan	...	University Student.
Ghosh, Jitendrakishore	...	Non-Collegiate Student.
Chatopadhyay, Sudhirechandra	...	University Student.
Sengupta, Harendranath	...	Non-Collegiate Student.

## CLASS III.

*(In order of merit).*

Gupta, Gopinath	...	Non-Collegiate Student.
Basu, Siddheswar	...	University Student.
Datta, Amarendranath	...	Ditto
Mukhopadhyay, Bhubanmohan	...	Non-Collegiate Student.

Read the Report of the Board of Examiners for the M.A. Examination in English, Groups A and B, 1919.

**RESOLVED—**

That the following list be published :—

**M.A. EXAMINATION, 1919.****ENGLISH.****GROUP A.****First Class.**

*(In order of merit.)*

<b>a*</b> Mukhopadhyay, Ramaprasad	University Student (Presidency College)
Sen Amiyakumar	Ditto
Sen, Hirendrachandra	Ditto
Sen Priyaranjan	Ditto
<b>b*</b> Ghosh, Kamalkrishna	Ditto

**SECOND CLASS.**

*(In order of merit.)*

Mukhopadhyay, Nanigopal	Non-Collegiate Student.
Das, Sudhansumohan	University Student (Presidency College)
Datta, Saralkumar	University Student.
Ray, Anilbaran	Non-Collegiate Student.
Muhammad Sadiq Khan	Dacca College
Mukhopadhyay, Amritlal	University Student (Scottish Churches College).
Datta, Susilkumar	University Student.
Mitra, Bhanubikas	Ditto
Baksi, Satyaranjan	Ditto
Sen, Prankumar	Ditto
{ Basu, Abinaschandra	Ditto
{ Raychaudhuri, Animischandra	University Student (Scottish Churches College).
Ghosh, Sudhansunath	University Student (Dacca College).
Chaudhuri. Harendrakumar	Cotton College, Gauhati.
{ Basu, Phanibhushan	University Student.
{ Raichaudhuri, Nirendranath	Ditto

**a\*** Thesis on "Women of Tennyson and Browning with glimpses from Rabindranath."

**b\*** Thesis on "Bankim and Scott."

Bandyopadhyay, Praphullakumar	...	University Student (Presidency College).
Razane Rahman Khan	...	Ditto
{ Singh, Taraprasad	...	Ditto
{ Bandyopadhyay, Sukhendubikas	...	Non-Collegiate Student.
{ Mitra, Bhujiangabhushan	...	University Student (Presidency College).
{ Gangopadhyay, Hrishikesh	...	University Student.
{ Purkayastha, Kshetramohan	...	Non-Collegiate Student.
{ Ghosh, Phanibhushan	...	Ditto
{ Chakraharti, Nepalchandra	...	University Student.
{ Mitra, Thaneswar	...	Ditto
{ Ray, Bibhutibhushan	...	Non-Collegiate Student.
{ Ray, Pramodacharan	...	University Student.
{ Bhattacharyya, Jogeschandra	...	University Student (Presidency College).
Ebrahim Khan	...	Non-Collegiate Student.
Sarkar, Kshitismohan	...	University Student (Presidency College).
Sarkar, Sripatinath	...	University Student.
Chattopadhyay, Gauripada	...	Ditto
De, Sukumar	...	University Student (Presidency College).
Deb, Benodebihari	...	Cotton College, Gauhati.
c*Sinha, Srischandra	...	University Student. (Presidency College).
Basu, Rasranjan	...	Non-Collegiate Student.
Basu, Sujata	...	Ditto
Chaudhuri, Nirmalchandra	...	Ditto
Mahbubuddin Ahamed	...	University Student (Presidency College).
{ Bhattacharyya, Kshitindranath	...	University Student.
{ Mitra, Debendranath	...	Non-Collegiate Student.
{ Mukhopadhyay, Mohitkumar	...	Ditto
{ Ray, Sarojendranath	...	University Student.
{ Bhattacharyya, Haripada	...	University Student (Presidency College).
Das, Chandramani	...	Non-Collegiate Student.
{ Sengupta, Sachindranath	...	University Student (Scottish Churches College).
{ Chakrabarti, Prabhatchandra	...	University Student.
{ Datta, Anilkrishna	...	Ditto
{ Ghosh, Amulyakrishna	...	Non-Collegiate Student.
{ Gangopadhyay, Sudhirkumar	...	University Student (Presidency College).

**THIRD CLASS.**  
(*In order of merit.*)

{ Nath, Narayauchandra	...	University Student.
{ Ghosh, Krishnachandra	...	Ditto
Basu, Harinarayan	...	Ditto
Mandal, Lakshmikanta	...	Ditto
{ Set, Jyotishchandra	...	Ditto
{ Bandyopadhyay, Chunilal, I	...	Ditto
Ray, Sachchidananda	...	University Student.
{ Mukhopadhyay, Gopalchandra	...	Non-Collegiate Student.
{ Ray, Sudhindralal	...	Ditto.
Basu, Bireswar	...	Ditto
Chakrabarti, Nripatimohan	...	University Student.
Basu, Rabindranath	...	Non-Collegiate Student.
Dasgupta, Dharendra-mohan	...	University Student.
Bandyopadhyay, Jatindranath	...	Ditto.
{ Basu, Jitendranath	...	Non-Collegiate Student.
„ Radharanjan	...	University Student.
{ Goswami, Ajitnath	...	Ditto.
{ Bandyopadhyay, Sachinath	...	Non-Collegiate Student.
Mukhopadhyay, Tulsicharan	...	Ditto.
{ Mukhopadhyay, Susilkumar	...	University Student.
{ d*Das, Nripendranath	...	Ditto.
		(Presidency College).
{ Sen, Haripada	...	Non-Collegiate Student.
{ Ghosh, Nalinakshya	...	Ditto.
Adhikary, Sailajakumar	...	University Student.
{ Gupta, Dwijendramohan	...	Ditto.
{ Barat, Jibendrakrishna	...	Ditto.
{ Ghosh, Amulyadhan	...	Ditto.
Datta, Bhupatinath	...	Ditto.
Bandyopadhyay, Chandidas	...	Ditto.
Mitra, Sitansubhusan	...	Ditto.
{ Pal, Shyamendralal	...	Ditto.
{ Dasgupta, Chittaranjan	...	University Student
		(Presidency College).
Mitra, Mahimamay	...	Ditto.
{ Mallik, Dharendra-chandra	...	Non-Collegiate Student.
{ Bandyopadhyay, Nabachandra	...	Dacca College.
Porhel Jagannath Prosad	...	University Student.
Ghosh, Pasupati	...	Ditto.
		(Presidency College).
Datta, Malinimohan	...	Dacca College.

{ Chattopadhyay, Sukhomoy	University Student (Presidency College).
{ Majumdar, Surendranath	Ditto.
Basu, Krishnachandra	University Student.
Dawson Bhagyasundari	Non-Collegiate Student.
{ Chattopadhyay, Bibhutibhusan	Ditto.
{ Das, Surendranath	Ditto.
Chanda, Gopendrakrishna	University Student (Scottish Churches College)
{ Dasgupta, Manadasankar	Non-Collegiate Student.
{ Bhattacharyya, Sureschandra	Ditto.
Deray, Sarojkumar	University Student.
Omrauddin Ahamad	Ditto.
Naimuddin Ahamad	(Presidency College.) University Student (Presidency College.)
{ Ghosh, Jagadischandra	Dacca College.
{ Sengupta, Nalinbihari	Non-Collegiate Student.
Baral, Tarapada	University Student.
{ Basu, Praphullakumar	Ditto.
Sen, Sachindrachandra	Dacca College.
{ Mitra, Rajendranath	Non-Collegiate Student.
{ Bhattacharyya, Bibhutibhusan	Ditto.
{ Mandal, Iswarachandra	University Student.
{ Majumdar, Hrishikesh	Ditto.
{ Sanyal, Phanibhusan	Non-Collegiate Student.
{ Chakrabarti, Nalmiranjan	University Student.
" Narendranath	Ditto.
{ Kar, Ramnarayan	Non-Collegiate Student.
Sen, Sudhendumohan	Ditto.
{ Chakrabarti, Sudhirchandra	Ditto.

## ENGLISH.

## GROUP B.

## FIRST CLASS.

*(In order of merit.)*

{ Ray, Girijasankar	University Student.
{ Gangopadhyay, Panchanon	Ditto

## SECOND CLASS.

*(In order of merit.)*

Bhattacharyya, Satischandra	University Student.
" Anilbihari	Ditto
Ghosh, Upendranath	Ditto
A. M. Gopala Iyer	Ditto
	(Presidency College.)



## THIRD CLASS.

*(In order of merit.)*

Mukhopadhyay, Kanailal	..	University Student.
Sain, Joges-chandra	...	Ditto
Mukhopadhyay, Chandidas	..	Ditto
Dhar, Hemchandra	...	Ditto

Read the Report of the Board of Examiners for the M.A.  
Examination in Mental and Moral Philosophy, 1919.

## RESOLVED—

That the following list be published :—

## M.A. EXAMINATION, 1919.

## MENTAL AND MORAL PHILOSOPHY.

## CLASS I.

*(In order of merit.)*

Gangopadhyay, Charuchandra	...	University Student.
Lodh, Ahanimohan	...	Ditto
Nag, Ramanikanta	...	University Student (Scottish Churches College).
Sarkar, Kalihar	...	Non-Collegiate Student.

## CLASS II.

*(In order of merit.)*

{ Raychaudhuri, Srischandra	..	University Student.
{ Sanyal, Jatiindranath	...	Ditto
Nandi, Niharranjan	..	Ditto
Das, Hemchandra	...	Ditto
Hassan Ali Ahmed	...	Ditto
{ Das, Nanigopal	...	Non-Collegiate Student.
{ Niyogi, Anangamohan	...	Ditto
Ray, Khitischandra	...	University Student.
„ Pyarilal	...	Non-Collegiate Student.
Chattopadhyay, Anilchandra	..	University Student (Scottish Churches College).
Maitra, Amalchandra	...	Non-Collegiate Student.
Bhattacharyya, Sudhendumohan	...	University Student.
Chakrabarti, Saileschandra	...	University Student (Presidency College).

Syed Md. Abdul Moin	University Student.
Mundle Herbert Benjamin	Non-Collegiate Student.
Mazumdar, Jatindrakumar	University Student (Presidency College).
{ Chaudhuri, Dwijendrachandra	Non-Collegiate Student.
{ Ray, Manisha	University Student.
{ Pathak, Satindranath	University Student.
{ Ray, Baidyanath	Ditto
Desarkar, Atulyakumar	Ditto
Hajra, Sachelidananda	Ditto
Baksi, Chandramohan	University Student (Presidency College)
{ Adhikari, Abinaschandra	University Student
{ Bhattacharyya, Purnachandra	Ditto
{ Bandyopadhyay, Harendranath	Non-Collegiate Student.
{ Bhattacharyya, Pratapchandra	University Student.
{ Chattopadhyay, Bholanath	Ditto
{ Ray, Binodchandra	Ditto

## CLASS III.

*(In order of merit).*

Mukhopadhyay, Prabodhchandra	University Student.
Ghosal, Prandhan	University Student (Scottish Churches College).
{ Chakrabarti, Krishnachandra	Non-Collegiate Student.
{ Ghosh, Harendranath	Ditto
{ Gangopadhyay, Bibhutibhusan	University Student.
{ Palit, Sushilkumar	University Student (Scottish Churches College).
{ Raychaudhuri, Bimalkumar	University Student.
Sarkar, Nirmalchandra	University Student (Scottish Churches College.)
Som, Bhagabaticharan	University Student.
Paria, Baradakanta	Ditto
Rakshit, Rohmibinod	Ditto
Karmakar, Nagendranath	Non-Collegiate Student.
{ Basu, Harendranath	University Student.
{ Ghosh, Praphullakumar	Ditto
Shamsheruddin Ahmed	University Student.
Das, Khagendranath	Non-Collegiate Student.
Rahim Baksh Mian	University Student.

Bandyopadhyay, Paresnath	..	Non-Collegiate Student.
Bandyopadhyay, Amalechandra	...	University Student.
Sengupta, Sudhansukumar	..	Non-Collegiate Student
{ Mitra, Dhirendranath	...	University Student.
{ Siddhanta, Amalkumar	..	Non-Collegiate Student
Ray, Pritinidhan	...	Non-Collegiate Student.
Sanyal, Manasija	...	Ditto
Ray, Santoshkumar	..	University Student (Dacca).
Pandit, Nikunjabihari	...	Non-Collegiate Student
{ Bandyopadhyay, Manmathanath	..	University Student.
{ Pain, Tusthacharan	..	Ditto
Purkayastha, Gopendrakrishna	..	University Student.
Bhattacharyya, Kumudkumar	..	Non-Collegiate Student.
Datta, Nripendranath	...	University Student.

(Confirmed).

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

No. 4.

THE 19TH NOVEMBER, 1919.

## Present :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.  
*President, in the chair.*

- |  |  |
|--|--|
| The Hon'ble Sir Devaprasad Saivadhikary, Kt., C.I.E. | Babu Nalinaksha Datta, M.A.            |
| Rai Bahadur A. C. Bose, M.A.                         | „ Rabintramohan Datta, M.A.            |
| Babu Dhireschandra Acharyya, M.A.                    | Bhikkhu Kukulnape Devarakshita.        |
| Dr. Haridas Bagchi, M.A., Ph.D.                      | Babu Sasindrachandra Dhar, M.Sc.       |
| Babu Charnchandra Banerjee, B.A.                     | Mr. P. Gangooly, M.A.                  |
| Dr. Ganranganath Banerjee, M.A., Ph.D.               | Babu Surendramohan Ganguli, M.Sc.      |
| Babu Hariprasanna Banerjee, M.Sc.                    | Mr. B. C. Ghosh, M.A., M.B.            |
| „ Indubhushan Banerjee, M.A.                         | Babu Jyotischandra Ghosh, M.A.         |
| „ Jaygopal Banerjee, M.A.                            | „ Mohitmohan Ghosh, M.Sc.              |
| „ Manmathanath Banerjee, M.Sc.                       | „ Satishandra Ghosh, M.A.              |
| „ Muralydhar Banerjee, M.A.                          | „ Rajanikanta Guha, M.A.               |
| „ Narayanachandra Banerjee, M.A.                     | „ Manoranjan Gupta, M.A.               |
| Dr. P. ramathanath Banerjee, M.A. D.Sc.              | Rai Bahadur B.A. Gupte, F. Z. S.       |
| Babu Srikrumar Banerjee, M.A.                        | Mr. R. Kimura.                         |
| Dr. Benimadhab Barna, M.A., D.Litt.                  | „ J. O. Kydd, M.A.                     |
| Babu Satischandra Basu, M.A.                         | Babu Haripada Maiti, M.A.              |
| „ Haridas Bhattacharyya, M.A.                        | „ Susilkumar Maitra, M.A.              |
| „ Krishnachandra Bhattacharyya, M.A.                 | „ Bijaychandra Majumdar, M.A.          |
| „ Pasupatinath Bhattacharyya, M.A.                   | „ Narendrakumar Majumdar, M.A.         |
| „ Girindrasekhar Bose, M.Sc. M.B.                    | „ Surendranath Majumdar, M.A.          |
| „ Niranjanprasad Chakrabarti, M.A.                   | Mr. J. Masuda                          |
| „ Prabhatchandra Chakrabarti, M.A.                   | Maulvi Abu Mus. Ahmadul Haq.           |
| „ Satischandra Chakrabarti, M.A.                     | „ Aga Md. Kazim Shirazi.               |
| Mr. A. K. Chanda, B.A.                               | Pandit Babuya Misra, Jyotischacharyya. |
| Babu Ramaprasad Chanda, B.A.                         | Babu Ambikacharan Mitra, M.A.          |
| Mr. J. N. Das Gupta, B.A.                            | Mr. K. N. Mitra, B.A.                  |
|  | Babu Panchanan Mitra, M.A.             |
|  | Dr. Adityanath Mookerjee, M.A.         |
|  | Ph.D.                                  |
|  | Babu Bijaygopal Mookerjee, M.A.        |

<b>Dr. Narendracoomar Mookerjee, M.A.,</b> Ph.D.	<b>Rai Sahib Dineschandr Sen, B.A.</b>
<b>Babu Panchanandas Mookerjee, M.A.</b>	<b>Babu Saileswar Sen, M.A.</b>
<b>Dr. Syamadas Mookerjee, M.A., Ph.D.</b>	<b>„ Surendranath Sen, M.A.</b>
<b>Babu Jitendraprasad Niyogi, M.A.</b>	<b>Dr. Narendranath Sengupta, M.A.,</b> Ph.D.
<b>Samana Purnananda.</b>	<b>Babu Prabodhchandra Sengupta, M.A.</b>
<b>Babu Homchandra Raychaudhuri,</b> M.A.	<b>Samana R. Siddhartha.</b>
<b>„ Debendranath Ray, M.A.</b>	<b>Babu Jogisachandra Sinha, M.A.</b>
<b>„ Suhaschandra Ray, M.A.</b>	<b>The Hon'ble Dr. A. Suhrawardy, M.A.,</b> Ph.D.
<b>Mr. Surendramohan Sanyal, M.A.,</b> M.Sc.	<b>Mahamahopadhyay Pramathanath</b> Tarkubhushan.
<b>„ Bejoykumar Sarkar, A.B.</b>	<b>Pandit Krishnachandra Tarkalankar.</b>
<b>Vedantabisarad N. S. Anantakrishna</b> Sastri.	<b>Rev. Dr. W. S. Urquhart, M.A.,</b> D.Phil.
<b>Pandit Asutosh Sastri, M.A.</b>	<b>Mahamahopadhyay Dr. Satishchandra</b> Vidyabhushan, M.A., Ph.D.
<b>Mahamahopadhyay Lakshman Sastri.</b>	<b>Rev. Dr. J. Watt, M.A., D.D.</b>
<b>Pandit Sitaram Sastri.</b>	<b>Mr. G. C. Bose, M.A.</b>
<b>Mr. Arun Sen, B.A.</b>	
<b>Babu Bipinbihari Sen, M.A.</b>	

**Mahamahopadhyay Dr. S. C. Vidyabhushan** moved that the four Proceedings of the Executive Committee, dated the 27th September, 1919 be confirmed.

**Babu Narendrakumar Majumdar** seconded the motion which was put to the vote and carried.

**Dr. P. N. Banerjee** moved that the Proceedings of the Executive Committee dated the 5th November, 1919, be confirmed.

**Mahamahopadhyay Dr. S. C. Vidyabhushan** seconded the motion which was put to the vote and carried.

**Mahamahopadhyay Dr. S. C. Vidyabhushan** moved that the Proceedings of the Executive Committee, dated the 7th November, 1919, 8th November, 1919, and the 15th November, 1919, be confirmed.

**Babu Rajanikanta Guha** seconded the motion which was put to the vote and carried.

(Confirmed).

**ASUTOSH MOOKERJEE,**  
*President.*

**H. C. MOOKERJEE,**  
*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts.**

**FOR THE YEAR 1919-20.**

**No. 21.**

**THE 6TH DECEMBER, 1919.**

## **Present :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President in the Chair.*

Rai A. C. Bose, Badadur, M.A.

Professor H. Stephen, M.A., D.D.

Mr. Praphullachandra Ghosh, M.A.

Mahamahopadhyay Dr. Satischandra  
Vidyabhushan, M.A., Ph.D.

Pandit Muralydhara Banerjee, M.A.

Dr. I. J. S. Taraporewala, B.A., Ph.D.

Rai Sahab Dineschandra Sen, B.A.

The Hon'ble Dr. A. Suhrawardy, M.A.  
Ph.D.

Professor D. K. Bhandarkar, M.A.

Mr. Bipinbihari Sen, M.A.

Dr. Prannanath Banerjee, M.A., D.Sc.

Dr. Syamadas Mukerjee, M.A., Ph.D.

Read the following Proceedings of the Board of High  
Studies in English, dated the 29th November, 1919 :

## **"RESOLVED—**

that the Board recommend that the following text-book  
be prescribed for the M.A. Examination in English for the year  
1922 :

## **ENGLISH, 1922.**

### **COMMON PAPERS FOR GROUPS A AND B.**

#### *Paper I. General History of English Literature.*

(No text-books).

#### *Paper II. Drama.*

**Shakespear**

...

**King Lear.**

**Aristophanes**

...

**Clouds.** Tr. Rogers. (George  
Bell & Sons).

**Goldsmith**

**Such Stuff as Dreams Are  
Made of or Life is a Dream**  
Tr. Fitzgerald (Macmillan  
Eversley Series).

*Paper III. Poetry.*

Dryden	... Vergil's Æneid, Books I and VI.
Milton	... Paradise Lost, Books V and VI.
D. G. Rossetti	... The Early Italian Poets : Dante and his Circle (Dante Alighieri only).

*Paper IV. Prose.*

Plato	... Trial and Death of Socrates (G. T. S. Macmillan).
Gibbon	... Decline and Fall of the Roman Empire, Chapters I-III.
Ruskin	... Seven Lamps of Architecture.

GROUP A.

*Paper V. (a) Chaucer and (b) Outlines of Historical**English Grammar.*

(a) Chaucer	... The Prologue to the Canterbury Tales ; Nonne Preestes Tale and Prioresses Tale.
(b) Otto Jespersen	... Growth and Structure of the English Language. (Teubner, Leipzig, 1912).
Classen	... History of the English Language. (Macmillan).

*Paper VI. Selected erion of Poetry.*

## Early Nineteenth Century Poetry (1798-1832).

The undermentioned authors are recommended for special study in their chief works as specified below ; but candidates will not be expected to show a detailed knowledge of the texts named :—

Wordsworth	... Prelude, Books I, XII, XIII ; Excursion, Book I ; Selections by Matthew Arnold (Golden Treasury Series).
Coleridge	... Selections by Stopford A. Brooke (Golden Book of Coleridge).
Byron	... Vision of Judgment ; Selections by Matthew Arnold (Golden Treasury Series).

- Shelley ... Prometheus Unbound ; Selections by Stopford A. Brooke ‡ (Golden Treasury Series).
- Keats ... Hyperion ; Eve of St. Agnes : Lamia.
- Golden Treasury of Songs and Lyrics, edited by Palgrave, Book IV.
- Selections from English Poets, edited by Ward, Volume IV.

*Paper VII. Selected Period of Prose.*

Early Nineteenth Century Prose (1798-1832).

The Rundermentioned authors are recommended for special study in their chief works as specified below ; but candidates will not be expected to show a detailed knowledge of the texts named :—

- |             |  |
|-------------|--|
| Wordsworth  | Prefaces and Appendices (Oxford Edition).                        |
| Scott       | Talisman ; Old Mortality ; Kenilworth.                           |
| Coleridge   | Biographia Literaria, omitting Chapters 5-9 and 12.              |
| Lamb        | Essays of Elia.  |
| Landor      | Selections by Sidney Colvin (Golden Treasury Series).            |
| Jane Austen | Pride and Prejudice.   |
| Hazlitt     | English Literature, edited by Zeitlin (Oxford University Press). |
| De Quincey  | Confessions of an Opium Eater.                                   |
| Shelley     | Defence of Poetry.   |

*Paper VIII. Essay or Essays on Subjects connected with the course*

GROUP B.

*Paper V. English Language and Literature prior to 1100 A.D.*

- Sweet ... An Anglo-Saxon Reader, Part I, omitting pieces III, XI, XII, XIII, XXIV, XXVII, XXVIII, XXXI (pieces, E.—M.), XXXII (8th Edn : Clarendon Press, Oxford).



*Paper VI. English Language and Literature from 1100 A.D. to 1500 A.D. including Chaucer.*

- Chaucer ... *Canterbury Tales*—Prologue ;  
 Knightes Tale ; Clerkes  
 Tale ; Monkes Tale ; Nonne  
 Preestes Tale ; Squires  
 Tale ; Prioresses Tale ;  
 Parlement of Foules.
- Cook, A. S. ... A *Literary Middle English  
 Reader* (Ginn & Co.), omitting  
 "Religious and Didactic  
 Pieces" and "Plays".

The unseen passages set in this Paper will be restricted to portions of Chaucer, Gower and Langland not included in the set texts.

*Paper VII. Historical English Grammar (including the Elements of Teutonic Philology).*

Books recommended for study—

- Wright, J. and E. M. ... *Old English Grammar*, (Oxford University Press).
- Wylde H. C. ... A *Historical Study of the Mother Tongue* (Murray).
- Ditto ... A *Short History of English* (Murray).
- Greenough & Kittredge ... *Words and their Ways in English Speech* (Macmillan).

Read an endorsement from Professor H. Stephen, M.A., D.D., forwarding an application from Narendralal Gangopadhyay, a student of the 6th-year Class in English (Group A), requesting permission to offer a thesis in lieu of Examination in Papers VII and VIII.

RESOLVED—

That the application be granted."

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Sanskrit, dated the 29th November, 1919 :

"RESOLVED—

That the Board recommend that the following text-books be prescribed for the M.A. Examination in Sanskrit for the year 1922 :

## SANSKRIT, 1922

The course shall include the following :—

(The books prescribed for the first four papers are common to all the groups.)

*Paper I.*

(a) Ashtaka I of the Rigveda with Sayana's commentary thereon.

(b) Sayana's Instruction to his commentary on the Rigveda.

*Paper II.*

Siddhanta-Kaumndi (whole).

*Paper III.*

(a) and (b) Elements of Comparative Philology with special reference to the Indo-Iranian Languages and the growth of the Prakritic dialects. The following books are recommended :—

Breal, M.—Semantics (Translated by Mrs. Cust) (Heinemann).

Edmonds, J. M.—Comparative Philology (omitting ch. ix).

Macdonnell, A. A.—Vedic Grammar for Students (Oxford).

Strong, H. A., Logemann, W. S., and Wheeler, B. T.—Introduction to the study of the History of Language (Longmanns).

Sweet, H.—The History of Language (Dent).

Tucker, T. G.—Introduction to the Natural History of Language (Blackie).

Uhlenbeck, C. C.—A Manual of Sanskrit Phonetics (Luzac).

Whitney, W. D.—Sanskrit Grammar (Trübner).

\*Encyclopedia Britannica (11th Edition). The Article on Philology.

Hastings' Encyclopædia of Religion: The article on Aryan Religion.

\*Gune

... Introduction to Comparative Philology (Poona).

\*Sabdasaktiprakasika

... Karikas, Nos. 2, 3, 4, 12-14, 16-18, 20, 29, 31, 33, 54, 56, 58, 60, 61, 67, 95.

*Paper IV.*

Two essays—(a) dealing with some subject connected with the History of Sanskrit literature generally; (b) dealing with some subject connected with the history of the special department covered by the group taken up.

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\* Candidates are expected to possess a thorough acquaintance of the books marked with an asterisk.

*Papers V, VI, VII, and VIII.*

One of the following groups to be selected by the candidate :—

**A.—LITERATURE.***Paper I.*

(a) Poetry Texts :—

Naishadha Charita	Canto I with commentary.
Kamandakiva Nitisara	(Jibananda's edition) Chapters 8, 9, 10 and 11 (pages 37-62).
Sukra Nitisara	... (Jibananda's edition), Chapter 4 (pages 507—670).
Mahabharata	... Rajadharma, Santiparva, Chapters 56-60, 68, 69, 86-88 (Pratap Ray's edition).
Bharavi	... Cantos 13, 14, with Mallinatha's commentary.

(b) Translation from English into Sanskrit.

*Paper II.*

(a) Drama Texts : Vikramorvasi, Mrichchhakatika, Veni-sanhara, Mahaviracharita, Karpuramanjari ; Vararuchi's Prakrita Prakasa as is necessary for the appreciation of the Prakrit passages.

(b) Translation from English into Sanskrit.

*Paper III.*

(a) Prose Texts : Vasavadatta. Harshacharita, Chapters 5 and 6.

(b) Unseen passages in Sanskrit Prose for translation into English.

*Paper VIII.*

(a) Rhetoric and Prosody, namely, Kavyaprakasa, Ekavali Sarasvati Kanthabharana, Sahitya-darpana and Chhandomanjari.

(b) Unseen passages in Sanskrit Poetry for translation into English.

**B.—VEDAS.***Paper V.*

Yaska's Nirukta and Pingala's Chhandahsutras with Halayudha's Vritti ; Pratisakhya of the Rigveda, with the commentary of Uvata.

*Paper VI.*

(a) Aitareya Brahmana with Sayana's commentary.

(b) Simple unseen passages in Vedic Sanskrit for translation into classical Sanskrit.

(The interpretations of any recognised Indian School will be accepted.)

*Paper VII.*

(a) Brihadaranyaka, Chapters III and IV. Chhandogya, Chapters V, VI, VII, and VIII.

(b) Simple unseen Sanskrit passages from any Upanishad for translation into English.

*Paper VIII.*

(a) Grihya-Sutra—Gobhila with commentary.

(b) Translation from English into Sanskrit.

**C.—MIMANSA AND SMṚITI.***Paper I.*

(a) Mimansa Sutra with Sabara Bhashya, first three chapters.

(b) Simple unseen Sanskrit passages from any treatise or commentary on the Mimansa Philosophy, such as the Sloka-Vartika and the Tantra-Vartika for translation into English.

*Paper II.*

(a) Jaiminiya Nyaya Mala Vistara and Mimansa Nyaya-prakasa.

(b) Simple unseen Sanskrit passages from any treatise or commentary on the Mimansa Philosophy, such as the Mimansa-Balaprakasa, and the Tuptika, for translation into English.

*Paper III.*

(a) Manu Samhita with Kulluka's commentary.

Dharma Sutras of Apastamba and Gautama with Haradatta's commentary.

(b) Grihya-Sutra—Gobhila.

*Paper IV.*

(a) Yajnavalkya Samhita with Vijnanesvara's Mitakshara—Parasara's Institutes with Madhava's commentary.

(b) Translation from English into Sanskrit.

## D.—VEDANTA.

*Paper V.*

(a) Vedantasara (Jacob's edition), Panchadosi, Vedanta Paribhasha, Hastamalaka (with commentary), and Siddhantalessa.

(b) Simple unseen Sanskrit passages from any work on Vedanta Philosophy, such as the Vivaranaprameya-Sangraha for translation into English.

*Paper VI.*

(a) Vedantasutras with Sankara Bhashya.

(b) Translation from English into Sanskrit.

*Paper VII.*

(a) Sribhashya—Chapter I, Part I.

(b) Advaita-Brahma-Siddhi.

*Paper VIII.*

(a) Bhagabadgita ; Chhandogya, ch. VI, Brihadarankya, ch. III, IV ; Katha and Mandukya Upanishads with Sankara's commentary.

(b) Passages for translation into English from the Anubhashya and the Saivabhashya.

## E.—SANKHYA AND YOGA.

*Paper V.*

(a) Sankhyasutra of Kapila with Vritti of Aniruddha ; Sankhya-Karika of Isvarakrishna with Bhashya of Gaudapada.

(b) Simple unseen Sanskrit passages from any treatise or commentary on the Sankhya Philosophy for translation into English.

*Paper VI.*

(a) Sankhya Pravachana Bhashya ; Sankhya-Sara ; and Sankhya-Tattva Kaumudi.

(b) Translation from English into Sanskrit.

*Paper VII.*

(a) Yoga Sutras of Patanjali with Bhashya of Vyasa and Vritti of Bhoja ; Yoga Varttika of Vijnana-Bhikshu.

(b) Simple unseen Sanskrit passages from any treatise or commentary on the Yoga Philosophy for translation into English.

*Paper VIII.*

(a) *Yoga Vasishtha*, Chapter on Nirvana, Part II; *Sarva-darsasana-Sangraha*.

(b) Translation from English into Sanskrit.

F.—Nyaya and Vaisesika.

*Paper V.*

(a) *Nyaya Sutras* of Gautama with the *Bhashya* of Vatsyayana, *Vartika* of Udyotkara and *Vritti* of Visvanatha.

(b) Simple unseen Sanskrit passages from any treatise or commentary on the Nyaya Philosophy for translation into English.

*Paper VI.*

(a) *Nyayamanjari* of Jayanta Bhatta. *Khandanakhandakhadya* of Sriharsha, Chapter I.

(b) Translation from English into Sanskrit.

*Paper VII.*

(a) *Bhasha Parichcheda*, *Siddhanta-muktavali*, *Kusumanjali* of Udayanacharya, with commentary of Ruchidatta and gloss. of Vardhamana.

(b) Translation from English into Sanskrit.

*Paper VIII.*

(a) *Vaisesika Sutras* of Kanada, with *Bhashya* of Prasastapada, *Nyayakandali* of Sridara, and *Vritti* of Jayanarayana, *Saptapadarthi* of Sivaditya, with commentary of Yatindramadhava.

(b) Simple unseen Sanskrit passages from any treatise or commentary on the Vaisesika Philosophy for translation into English.

G.—General Philosophy.

*Paper V.*

(a) *Sankhyasutras* of Kapila with *Vritti* of Aniruddha; *Sankhya Tattva Kaumudi*; *Yogasutras* of Patanjali with the *Bhashya* of Vyasa and *Vritti* of Bhoja.

(b) Simple unseen Sanskrit passages from any work on Philosophy for translation into English.

*Paper VI.*

(a) *Nyayasutras* of Gautama with *Bhashya* of Vatsyayana and *Vritti* of Visvanatha. *Vaisesikasutras* of Kanada with *Bhashya* of Prasastapada, and *Nyayakandali* of Sridhara.

(b) Translation from English into Sanskrit.

*Paper VII.*

(a) Vedantasara (Jacob's edition), Bhagavadgita, Vedantasutras, Sankara's commentary, Chapter I, Parts I and IV, Chapter II, Part II.

(b) Translation from English into Sanskrit.

*Paper VIII.*

(a) Nyayaratnamala of Prathasarathi Misra; Mimamsa Nyaya Prakasa of Apodeva. Upanishads—Isa, Kena, Katha, Prasna, Munda, Mandukya and Svetasvatara, with Sankara's commentary.

(b) Simple unseen Sanskrit passages from any work on Philosophy for translation into English.

H.—Prakrit.

*Paper I.*

(a) Prasna Vyakarana and Vipakasutra.

(b) Translation from English into Sanskrit (or Prakrit, at the option of the candidate).

*Paper II.*

(a) Prakrit portions of the following dramas :—

Sakuntala, Vikramorvasi, Malavikagnimitra, Uttarachhrita, Malatimadhava, Mahavira-Charita, Mricchibhakatika, Mudrarakshasa, Ratnavali, Karpuramanjari, Venisanhara.

(b) Translation from Sanskrit into Prakrit.

*Paper III.*

(a) Setubandha, Gaudavaha, Kumarapalacharita, together with a general knowledge of Prakrita Pangala.

(b) Simple unseen passages in Prakrita for translation into English.

*Paper IV.*

(a) Prakrit Grammar as in Vararuchi's Prakrita Prakasa (Cowell), Chanda's Prakrita Lakshana (Hörnle), Hemchandra (Pischel).

Candidates are also expected to be familiar with the substance of Hörnle's Grammar of the Gaudian languages.

(b) Simple unseen passages in Prakrit for translation into Sanskrit.

*I.—Epigraphy and History.**Paper V.*

(a) Rajatarangini and its continuation with Stein's introduction and commentary.

(b) Unseen passages in Sanskrit for translation into English.

*Paper VI.*

- (a) Inscriptions of Asoka.
- (b) Early Indian Alphabets.

*Paper VII.**Epigraphia Indica—*

- Vol. I. Inscriptions Nos. 1, 8, 11, 13, 35.
- „ III. Nos. 8 and 17.
- „ IV. No. 34.
- „ V. Nos. 2 and 19.
- „ VI. Nos. 1 and 14.
- „ VII. No. 6.
- „ IX. No. 31.
- „ X. No. 15.
- „ XII. Nos. 8 and 18.

Fleet—Corpus Inscriptionum—Nos. 1-18, 33-37.

Prachina Lekhamala—Lekhas 69, 79-80, 85, 92, 111 and 118.

*Paper VIII.*

- (a) Ancient Geography of India.
- (b) Translation from English into Sanskrit.

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Pali, dated the 29th November, 1919 :

**“RESOLVED—**

That the Board recommend that the following text-books be prescribed for the M.A. Examination in Pali for the year 1922 :—

**PALI 1292.****COMPULSORY PAPERS.***Paper I.*

- (a) Digha Nikaya (P. T. S.) :—  
Brahmajala-Suttanta.  
Samafñaphala-Suttanta.  
Sigalovada.  
Ambattha Sutta.
- (b) Majjhima-Nikaya (P. T. S.), Vol. I—Suttas, 1-15.
- (c) Samyutta-Nikaya (P. T. S.), Vol. I, pp. 1-102.
- (d) Anguttara-Nikaya—Pancakanipata (P. T. S.), pp. 1-110



*Paper II.*

- (a) Mahavagga of the Vinaya Pitaka (P. T. S.), pp. 1-156.
- (b) Bhikkhu Patimokha (P. T. S.).
- (c) So-sor-thar-pa, by Mahamahopadhyay Dr. Satischandra Vidyabhushana.

*Paper III.*

- Kaccāyana—Pali Grammar.
- Vuttodaya—ed. C. A. Silakkhandu. (Nirṇaya Sagara Press, Bombay.)
- Vararuchi—Prakṛita Prakasa.
- R. G. Bhandarkar—Wilson Philological Lectures, (Bombay.)
- Morris—Notes and Queries on Pali words (J. P. T. S.), 1885-87.
- Satischandra Vidyabhushan—Grimm's Law. (Calcutta.)
- Gune—Comparative Philology. (Poona.)

*Paper IV.*

- Rhys Davids—Buddhist India.
- Rhys Davids—American Lectures.
- Mrs. Rhys Davids—Buddhism.
- Kern—Manual of Buddhism.
- Spence Hardy—Manual of Buddhism.
- Oldenberg—Buddha.
- Hoernle—Manuscript Remains of Buddhist Literature found in Eastern Turkestan, Vol. I. (The translation and the notes only.)
- Beale—Buddhist literature in China.
- Hackmann—Buddhism as a religion.

## GROUP A.

## LITERARY.

*Paper V.*

- Kulagaka-jataka (31) (Fausboll.).
- Cullabodhi-jataka (443).
- Temiya-jataka (538).
- Mahasutasoma-jataka (537).
- Dsaaratha-jataka (461).
- Ghata-jataka (454).
- Devadhamma-jataka (6).
- (b) All the Jatakas referred to in Bharaut sculptures so far as they have been identified (Rhys David's Buddhist India, p. 209).
- (c) Petavatthu (P. T. S.), pp. 1-43.
- (d) Introduction to Rhys David's Buddhist Birth Stories.

*Paper VI.*

Theri-Gatha with Paramattha-dipani (first half).  
 Thera-Gatha (second half).  
 Suttanipata—Ed. Fausboll (pp. 1-99).  
 Visuddhimagga (Calcutta Buddhist Text Society).  
 Puggalappannatti (P. T. S.).  
 Milindapanho (*Mendakapanha*, only pp. 90-188.).

*Paper VII.*

1. Inscriptions of Asoka (Senart and Bühlar).
2. Piprahwa Stupa Inscription (as in Luder's List of Brahmi Inscriptions, No. 931).
3. Bharaut Stupa Inscriptions (as in Luder's List, Nos. 678-903).
4. Sanchi Stupa Inscriptions (as in Luder's List, Nos. 161-668).

## GROUP B.

## PHILOSOPHY.

*Paper V.*

Dhammasangani.  
 Tikapattthana.  
 Kathavathu (P. T. S.), Vol. I, pp. 1-103.

*Paper VI.*

Abhidhammattha Sangaha.  
 Neti.  
 Abhidhammavataara.

*Paper VII.*

Atthasalini (P. T. S.), pp. 1-136.  
 Vibhanga (P. T. S.), pp. 1-150.  
 Dhatukatha (P. T. S.), pp. 1-100.

## GROUP C.

## EPIGRAPHY AND HISTORY.

*Paper V.*

Mahavamsa (Chs. 21-37, Geiger's edition).  
 Sasanavamsa (P. T. S.).  
 Dathavamsa (P. T. S.).

*Paper VI.*

Inscriptions of Asoka.  
 Hathingumpha Inscription of Kharavela  
 Ramgarh Cave Inscriptions.

*Paper VII.*

- (a) Inscriptions of the Kshaharata and Satavahana Dynasties.  
 (b) Inscriptions of the Imperial Guptas.

*Paper VIII.*

Cunningham—Ancient Geography of India.  
 Reports of the Archæological Survey of India about Taxilla  
 and Isipatana.  
 Yün Chwang (Watters), 2 vols.

## GROUP D.

## MAHAYANA LITERATURE AND PHILOSOPHY.

*Paper I.*

Lalita Vistara.  
 Asvaghosha's Buddhacarita.

*Paper II.*

Madhyamika Sutra with Vritti of Chandrakirti.  
 Lankavatara Sutra (Calcutta Buddhist Text Society).  
 Sutralankara of Asanga, edited by Sylvain Levi.

*Paper III.*

Nyayabindu Tika of Dharmottara (A. S. B.)  
 Sarvadarsanasangraha (portion dealing with Buddhism).  
 Mediæval School of Indian Logic (Buddhist Logic only), by  
 Mohamahopadhyay Dr. Satishchandra Vidyabhusan.

*Paper IV.*

Thibaut—Sanskrit Grammar.  
 Macdonell—Sanskrit Grammar."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher  
 Studies in Arabic and Persian, dated the 29th November, 1919:

## "RESOLVED—

That the Board recommend that the following text-books be  
 prescribed for the M.A. Examination in Arabic and Persian for  
 the year 1922.

## ARABIC 1922.

Kitābu'l Aghānī, Vol. IV.—

- (a) from middle of page 17 to middle of page 34 ;  
 (b) from page 74 to page 98.

Yatīmatu'd-Dhar, Vol. IV—Al-Babu'l-Khāmis fī dhikr-i-  
Abī'l-Fadlī'l-Hamadānī, pages 167-204.

Qur'ān with the Kashshāf by Zamakhsharī—the whole of  
Sūratu'l-'Imrān.

Mishkātu'l-Ma'ābiḥā.

(a) Kitābu'l-Imārat-i-Wa'l-Qāḍi'i.

(b) Kitābu'l-Adab.

Ishārāt by Avicenna : Al-Namatu't-Tasi and Al-Namatu'l-  
'Ashir.

Futūḥu'l-Buldān by Balādhiri, pages 152-240.

Mufasssal by Zamakhsharī—from the beginning of the book  
up to the end of the Baḥṭh Ismī-i-Mu'rab.

Fara'id by Mullā Maḥmud Jawnpūrī. Ilmu. 'l-Ma'ānī—  
from the beginning of the Muqaddima up to the end of the  
*Nav-i-Awwal* of the *Faṣṣ-i-thāni*.

Students are recommended to consult the following books :—

De Sacy	...	...	Grammaire Arabe.
Ditto	...	...	Anthologie Grammaticale Arabe.
Wright	...	...	Grammar of Arabic Language.
Howell	...	...	Grammar of Classical Arabic Language.
Wright	...	...	Lectures on the Comparative Grammar of the Semitic Languages.
Nöldeke	...	...	Semitic Languages (Encyclopædia Britannica, XXIV, 617).
Mehren	...	...	Rhetorik Araber.
Cheikho and Edde	...	...	Ilm-al-Adab.
St. Guyard	...	...	Theorie nouvelle de la Metrique Arabe (Jour. Asiat., 1876).
Hartmann	...	..	Metrum and Rhythmus.
De Goeje and Thatcher...	...	...	Arabic Literature (Encyclopædia Britannica, II, 271).
Wallace and Thatcher	...	...	Arabic Philosophy (Enc. Britt., II, 2 6).
De Boer	...	...	History of Philosophy in Islam—tr. Jones.
Huart	...	...	History of Arabic Literature.
Arbuthnot	...	...	Arabic Authors.
Nicholson	...	...	Literary History of the Arabs.
Browne	...	...	Literary History of Persia; Vol. I.
Cambridge Mediaeval History, Vol. II, Chapters 10-12.			

Gibbon. . .	..	Decline and Fall of the Roman Empire, Chapters 50-52, 56-59, 64, 65, 67, 68.
Amcer Ali ...	...	History of the Saracens.
De Goeje ...	...	Caliphate (Enc. Britt., V, 28).
Hitti ...	...	Origins of the Islamic State (Columbia University).
Weil ...	...	History of Islamic People—tr. Khuda Buksh.
Goldziher ...	...	Mohammad and Islam—tr. Seelye (Yale University Press).
Von Krenor ...	...	History of Islamic Civilization—tr. Khuda Buksh.
Macdonald...	...	Development of Muslim Theology, Jurisprudence and Constitutional Theory.
Ibu Khaldun ...	...	Prolegomena—tr. Slane.
Horgounje ...	...	Mohammedanism.
Amcer Ali .	..	Spirit of Islam.
Elphinstone ...	...	History of India (Mahomedan Period).

### PERSIAN, 1922.

#### *Poetry.*

The Hadiqa of Sanai (Nawal Kishor edition, 1887), Chapters I and V.

The Mantiqu-t-Tair of 'Atfār, from the first Maqāla to the last (Paris edition, 1857, or any other edition).

The Diwān of Nāsir-i-Khudraw (Bombay edition).

The Qasā'id of Zahīd Fāryābī—All the Persian Qasidas (Nawal Kishor or any other edition).

#### *Prose.*

The Tazkira of Dawlat Shāh.

The Tazkira of 'Awfī, Part II (London edition).

The Kimiyā-i-Sa'adat of Ghazzālī (pages 1-50).

The Durra'-i-Nādira (Bombay edition), omitting the Dibācha.

The Hadā'iq-u-l-Balāghat—the first two Hadiquas.

Arabic Prose—The Prose Selection prescribed for B.A. Pass Course.

Students are recommended to consult the following books :—

Ethe	...	Persian Language and Literature. (Enc. Britt. XXI, 246).
Ouseley	...	Biographical Notices of Persian Poets.
Arbuthnot	..	Persian Portraits.
Browne	...	Literary History of Persia.
De Boer	..	History of Philosophy in Islam— Tr. Jones.
Platts and Rankin	...	Grammar of Persian Language.
Ibrahim	...	Persian Grammar.
Forbes	...	Persian Grammar.
Phillot	..	Higher Persian Grammar.
Geiger and Kuhn		Grundriss der Iranischen Philologie.
Darmesteter	..	Etudes Iraniennes.
Ditto	...	Origines de la poesie Persane.
Gladwin	...	Rhetoric, Prosody and Rhyme of the Persians.
Blochmann	...	Prosody of the Persians.
Ruckert	..	Grammatik, Poetik and Rhetorik der Perser.
Azad	...	Sukhandn-i-Fars.
Cambridge Mediaeval History, Vol. II, Chapters 10-12.		
Gibbon		Decline and Fall of the Roman Empire, Chapters 50-52, 56-59, 64, 65, 67, 68,
De Goeje		Caliphate (Enc. Britt., V. 23).
Hitti		Origins of the Islamic State (Colum. Univ. Press).
Goldziher		Mohammed and Islam—tr. Seelye (Yale University Press).
Von Kremer		History of Islamic Civilization—tr. Khuda Buksh.
Well		History of Islamic Peoples—tr. Khuda Buksh.
Macdonald		Development of Muslim Theology, Jurisprudence and Constitutional Theory.
Ibn Khaldun		Prolegomena—tr. Slane.
Hurgounje		Mohammedanism.
Ameer Ali		Spirit of Islam.
Ditto		History of Saracens.
Elphinstone		History of India (Mahomedan Period).

Read the following memorandum by Aga Kazim Shirazi:—

“The syllabus prescribed by the Calcutta University for the M.A. Examination in Persian requires a revision. Some of the existing books in the list are not available in the market, some of too low a standard for the Post-Graduate studies and one of them is quite unsuitable as a text-book.

*Books not available—*

*Durra-i-Nadira* is out of print and quite out of market.

*Diwan-i-Nasir-i-Khusraw*—has just run out as I am informed by its publisher from Bombay.

*Ta kira-i-Dawlat Shahi* and *Ta kira-i-Awfi*—are not obtainable in India. They can be procured from England at a much higher price than the Indian editions.

*Books considered too easy for the Post-Graduate Studies—*

*The Mantiqu-t Tair* and *Qasad-i Zahir-i Faryabi*—are two very easy poetical works; their language and style are too simple and the subject matter of none has any particular merit.

*Tazkira-i Dawlat Shahi* and *Tazkira-Awfi*—are works in prose. Though they have some special interest as biographies of Persian poet, their language and style are both easy and antiquated.

*Kimiya-yi Sadat*—is another very easy prose work and is interesting only from religious point of view, for it treats on religious obligations and duties of a true Muslim.

*The unsuitable books—*

*Durra-yi Nadira*—is a book not even read by the Persians in Persia. It is written in an unnatural and laboured style and its language is rather obscure and full of uncommon Turkish words.

I also beg to invite a reference to a representation made by me and Shaik Abu Nasr Gilani in connection with the revision of text-books for the B.A. and M.A. Examinations in Persian sometime in October or November, 1918, (vide Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts, No. 14, dated the 18th December, 1918, page 6).

In order to widen the range of study in the Post-Graduate Class in Persian and give the student an opportunity of familiarising themselves with the modern style and language, I would suggest that some modern Persian works may be added to the list of text-books.

In conclusion I beg to propose that a special Committee of experts be formed for discussing the whole question of Persian text-books and study for the M.A. Class and submitting their recommendation for consideration.

M. KAZIM SHIRAZI,

31st October, 1919."

**RESOLVED—**

That the question of revision of the Syllabus in Persian and Arabic for the B.A. and M.A. Examinations be referred to a Committee consisting of the University Lecturers in Arabic and Persian and Major Peart.

**RESOLVED—**

That Maulavi Abu Osman Khalid and Maulavi Abdul Majid, instructors for the undergraduate classes, be requested to prepare a list of the Arabic, Persian and Urdu books in the University Library under the supervision of Maulavi Abu Musa and Aga Kazim Shirazi."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Indian Vernaculars, dated the 6th December, 1919 :

**"RESOLVED—**

That the following books be prescribed for the M.A. Examination in Indian Vernaculars, 1922 :—

**INDIAN VERNACULARS, 1922.**

**BENGALI.**

*Paper I.*

History of Bengali Literature from the earliest times down to 1850.

*Special Period.*—Vaisnab Literature during the Sixteenth Century.

Books recommended :—

D. C. Sen	...	History of Bengali Language and Literature.
"	...	Vaisnab Literature of Mediæval Bengal.
"	...	Chaitanya and his Companions.
"	...	Folk Literature of Bengal.



*Paper II.*

(1) Vanga Sahitya Parichya, edited by D. C. Sen, Vol. 1, pp. 27-101.

(2) Mayanamatir Gau, edited by Nalinikanta Bhattasali (Dacca Sahitya Parishad) and Baikuntanath Datta.

*Paper III.*

Mukundaram Kabikankan—Chandimangal.

Michael Madhusudan Dutt—Meghnadbadh, Cantos 1, 2.

Dinabandhu Mitra—Nildarpan.

Rajkrishna Mookerjee—Nanaprabandha.

*Paper IV.*

(a) Development of prose style in Bengali Literature, 1800-1857.

(b) Influence of Western Culture on Bengali Literature, 1857-1880.

In papers II and III, 75 marks shall be allotted to the texts and 25 marks to the unseen passages.

Questions on the texts shall include :—

(a) Questions on the subject matter and on the language of the prescribed books (historical, geographical, critical questions and literary allusions are not excluded).

(b) Questions on Grammar and Prosody arising from the texts.

(c) Questions on the life and literary career of the authors whose works are prescribed.

**ASSAMESE.****TEXTS.**

Sankardeb ...	Rukmini Haran.
Bhattadeb ...	Katha Gita (First Three Chapters).
Lakshminath Bezbarua	Kripabar Barbarurur Kakatar Topola.
Mafijuddin Ahmad	Jnana Malini.
Rajanikanta Bardolai	Manomati.

**GRAMMAR.**

Hemchandra Barua	Asamiya Byakaran.
Debananda Bharali	Asamiya Bhashar Maulik Bichar.
Satyanath Bora ...	Sahitya Bichar.
Debananda Bharali	Anglo Assamese Grammar.
G. F. Nicholl ...	Assamese Grammar (in Bengali Manual).

**LITERARY HISTORY.**

Debendranath Bezbarua ...	Assamiya Bhasha Aru Sahityar Buranji.
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## ORIYA.

## TEXTS.

Jagannathadasa	...	..	Bhagabata, Skandha XI.
Upendra Bhanja	...	..	Baidehisabilasa, Part IV.
Madhusudana Rao	...	..	Prabandhamala.
"	...	..	Kusumanjali.
Pakhiramohaua Senapati	...	..	Chha-mana At-guntha.

## GRAMMAR.

Radhanatha Ray	...	..	Byakaran Prabesa.
E. C. B. Hallam	...	..	Oriya Grammar.

## LITERARY HISTORY.

Manmohan Chakrabarti	...	Articles on Oriya Literature (in the J.A.S.B., 1898-99).
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## MARATHI.

## TEXTS.

Gadyaratna Samuchchay,	Part I.
Navanit,	pp. 2-20, 47-88, 159-171, 381-410.

## GRAMMAR.

Ramchandra Bhikaji Joshi	...	Prauphobodh Vyakaran.
G. R. Navalkar	...	Marathi Grammar.

## LITERARY HISTORY.

Bhabe	...	Maharashtra Sarasvat.
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## HINDI.

## TEXTS.

Keshi Ram and Dwarka Prasad	...	..	Tulsi Sangraha.
Ramnaray Tripathi	...	..	Kavita Kaumudi, Part I.
Harishchandra	...	...	Satya Harishchandra.
Ajodhya Singh Upadhyay	...	..	Tbeth Hindi Ka That.

## GRAMMAR.

Kellogg	...	..	Grammar of the Hindi Language.
Pincott	...	..	Hindi Manual.
Etherington	...	..	Bhasha Bhaskar.
Garcin de Tassy	...	...	Chrestomathie Hindie on Hindouie.

## LITERARY HISTORY.

Grierson	...	...	Vernacular Literature of Hindustan.
Hindi Sahitya Sammilani	Lekhmala	(Select Portions).	

## GUJRATI.

## TEXTS.

Ghanashyam ... Patanani Prabhuta (Gujrati Press Bombay).

I. P. Khansaheb and Narharilal Trikamlal .. Sahitya Ratna.

## GRAMMAR.

Taylor ... Gujarati Bhashanun Vyakaran.

K. P. Trivedi ... Madhya Vyakaran.

St. Clair Tisdall ... Simplified Grammar of the Gujarati Language.

Khansaheb and Sehth .. Hints on the Study of Gujarati.

## LITERARY HISTORY.

K. M. Jhaveri ... Milestones in Gujarati Literature.

## URDU.

## TEXTS.

Kalam-i-Urdu (Board of Examiners).

Hayat-i-Saadi (Hali).

Taubatu-n-Yasuh (Nazir Ahmad).

Nazm-i-Muntakhab.

Musaddas-i-Hali.

## GRAMMAR.

Palmer ... Simplified Grammar of Hindustani Persian and Arabic.

Green ... A Practical Hindustani Grammar.

Forbes ... Hindustani Grammar.

Platts ... Ditto.

## LITERARY HISTORY.

Garcin de Tassy .. Histoire de la Literature Hindouie et Hindustanie.

Azad ... Ab-i-Hayat.

## PALI.

Andersen ... Pali Reader.

Frankfurter ... Pali Handbook

Müller ... Simplified Pali Grammar.

Victor Henry... Precise de Grammaire Palie.

Vidhusekhar Sastri ... Pali Prakasa.

## PRAKRIT.

Vararuchi ... Prakrita Prakasa.

Rahasekhara ... Karpuramanjari.

Cowell ... Introduction to Prakrit.

## PERSIAN.

New Persian Selections (Board of Examiners).

Kanga	...	...	Selections from Persian Prose and Poetry.
Platts and Ranking	...	...	Persian Grammar.
Rosen	...	...	Ditto
Kanga	...	...	Hints on the Study of Persian.
St. Clair Tisdall	...	...	Conversational Persian Grammar.

## TAMIL.

Wickremsinghe	...	...	Tamil Grammar Self-taught.
Pope	...	...	Tamil Handbook.
Do	...	...	Catechisms of Tamil Grammar, I-II.
Arden	...	...	Progressive Grammar.
Caldwell	...	...	Comparative Grammar of Dravidian Languages.
Purnalingam Pillai	...	...	Primer of Tamil Literature.
Do	...	...	Viveka Vilakkam.
Do	...	...	Seyyul Korai.
Do	...	...	Vasaka Thirattu.

Matriculation Selections (Madras University).

## TELUGU.

Brown	...	...	Telugu Grammar.
Morris	...	...	Simplified Telugu Grammar.
Arden	...	...	Telugu Grammar 1905, Telugu Companion Reader, 1879.
Caldwell	...	...	Comparative Grammar of Dravidian Languages.

Narasingham and Narasingharow

Ananda Readers, Parts III &amp; IV.

Matriculation Selections (Madras University).

## MALAYALAM.

Gundert	...	...	Catechism of Malayalam Grammar (Madras, 1881).
Fohnmeyer	...	...	Progressive Grammar of Malayalam (Mangalore, 1889).
Peet	...	...	Malayalam Grammar (Cottayam 1841).
Caldwell	...	...	Comparative Grammar of Dravidian Languages.

Fourth Reader

Twelfth Reader

Gadya Malika, Part II } Basel Mission (Mangalore).

History of Malayalam

Literature

Matriculation Selections (Madras University).

## KANARESE.

- Kittel ... Grammar of Old and Modern Kannada (Mangalore, 1903).  
 Spencer ... Kanarese Grammar (Mysore, 1914).  
 Caldwell ... Comparative Grammar of Dravidian Languages.  
 Rice ... Mistory of Kanarese Literature.  
 Padya Sangraha  
 Padya Sara, Part I pp. 3-4, 12-13, 27-30, 77-86, and 103-106.  
 Katha Sangraha, Part I, pp. 1-96.  
 " " " II, pp. 210-280.  
 Nirmale (or She Stoops to Conquer) in Kanarese.  
 Sabdadarsa (Kanarese).

Matriculation Selections (Madras University).

## SINHALESE.

- Wickremasinghe ... Sinhalese Grammar (London 1916).  
 Guna Sekra ... Comprehensive Sinhalese Grammar (Colombo, 1892).  
 Do. ... Kusajatakakavya.  
 Gunawardhana ... Subhasitaya.  
 Samarasekara ... Sinhalese Translation of the Dighanikaya, Vol. I (Brahmajalasutra and Ambatthasutra only).  
 Gurulu Goru ... Amawatura (First four chapters only) edited by Jayatilaka.

## MAITHILI.

- Grierson ... Grammar and Chrestomathy, 2 vols.  
 Vidyapati ... Padabali (Bangiya Sahitya Parishad; Indian Press, Allahabad; Coomarswamy and Arun Sen).  
 Umapati ... Parijata Harana edited by Grierson (Bihar and Orissa Research Society. Vol. III, 1917).  
 Grierson ... Vernacular Literature of Hindustan.

Read a letter from Babu Brajamohan Thakur, M.A., B.L., resigning his appointment as Instructor in Hindi with effect from 1st December 1919.

**RESOLVED—**

That the resignation be accepted and that Babu Mulchand, B.A., be appointed Hindi Instructor for one year, on a remuneration of Rs. 300 for the year.

Read a letter from Babu Jogindranath Bose, B.A., resigning his appointment as University Lecturer in Bengali, on the ground of ill-health.

**RESOLVED—**

(1) That the resignation be accepted with effect from 1st December 1919.

(2) That Babu Jogindranath Bose be informed that the Board have heard with great regret that he is obliged to resign on the ground of ill-health.

**RESOLVED—**

That Babu Abhaykumar Guha, M.A., B.L., author of Saundaryayatatwa, be appointed Gopaldas Chaudhuri Lecturer in Bengali, at present for a term of two years, on a salary of Rs. 100 a month.

**RESOLVED—**

\* (1) That Babu Gangapat Sing, B.A., be appointed Tanka-nath Chaudhuri Lecturer in Maithili, at present for a term of two years, on a salary of Rs. 100 a month.

(2) That Pandit Khuddi Jha be appointed Raj Banaili Lecturer in Maithili, at present for a term of two years, on a salary of Rs. 100 a month.

Read a letter from Md. Aga Kazim Shirazi, enquiring whether Persian-script will have to be adopted by the students of the Indian Vernaculars Department who have taken Persian as one of the basic languages.

**RESOLVED—**

That students must learn the script, but may use that script or Roman character in writing the answers.

Read the following letter from Babu Hrishikesh Basu, M.A., Lecturer in English, St. Paul's C.M. College, on the preparation of a critical edition of Kabikankan Chandi:—

To

THE REGISTRAR, CALCUTTA UNIVERSITY.

SIR,

I have the honour to submit most respectfully the following facts for favour of your kind consideration.

The University has prescribed "Kabikankan Chandi" of "Mukundasam" as one of the text books for the M.A., Examination in Bengali. The existing editions

of "Kabikankan Chandi" are wanting in explanatory and critical notes and commentary. They also differ in reading in many places. Many words have become already obsolete or are going to be so. Besides, the existing editions have given modern shape to words used by Mukundaram. This is a great defect for which the existing editions can not throw much light upon the history of Bengali language, grammar and philology and if I may so use "word-history."

Myself is an inhabitant of a village about 7 or 8 miles from "Daminya"—the home of the poet. I have been engaged in publishing an edition of "Kabikankan Chandi" for the last 11 years and with this object in view I have been to Daminya and the neighbouring villages several times. I have secured a very reliable manuscript from village Kaithi about 2 or 3 miles from the home of the poet and contiguous to the village Choto-Bainian where, it is said, the descendants of Mukundaram are still living. The manuscript was copied in Bengali era 1181 to 1182 by a Kayastha inhabitant of the said village. There is no doubt about the genuineness of the manuscript. The copyist thus gives the date of the copy and his name in these lines :

শুন বৃথগণ যেই শকের নিশ্চয়ত ।  
 প্রথম কেশর বন্ধ করিবে লিখিত ॥  
 তাহার উপরে ঋতু হইল শুশোভন ।  
 তৃতীয় জানিবে যেবা কায়স্থ লক্ষণ ॥  
 চতুর্থে সরিৎপতি করিল প্রবেশ ।  
 এই মাসে লেখা হইল লগ্ন যার মেঘ ॥  
 এতাদি শকেতে লিখিলাম এই পুঁথি ।  
 আখ্যান গণেশ ভঞ্জন সাকিম কাইথি ॥  
 যথা দৃষ্ট তথা করিল লিখন ।  
 পঠনার্থে অপরাধ ক্ষম ধীর জন ॥

The manuscript has the following important features :—

- (1) It is dated 1181-1182 and is therefore 145 years old.
- (2) It was written by an educated Kayastha gentleman who copied from his model as he found it neither adding to nor omitting any portion.
- (3) The copy gives the words in the shape in which they existed at that time.
- (4) The writer living close to the home of the poet and his descendants had the opportunity of securing a model which may by expected not to vary much from the original.
- (5) In existing editions several passages are given twice or thrice successively in a little different form either in different verse or merely phraseology. The present manuscript is almost free from that defect. The poet must have written once.
- (6) Some of the passages in existing editions appear on their very face to be subsequent additions. The manuscript does not give them.

(7) The manuscript gives what seems to me true readings in many places where the existing editions are obscure or give very little sense. This is a merit for which alone the manuscript ought to be published. Some such readings are given below at random by way of examples :—

For these reasons it has been my aim to bring out an edition of *Kabikankan Chandi* on the following lines :—

(1) The manuscript which I have secured is to be printed in the main text.

(2) All the important various readings are to be given at the foot of each page.

(3) At the end meanings of all obsolete or obsolescent and difficult words are to be given as also full critical and philological notes on words and passages.

(4) Allusions are to be explained.

(5) A running critical analysis of the entire poem is to be given in the introduction. An account of the life of the poet, of his time, date and history of the composition of the poem, its sources, character of the principal personages in the poem are to be given also in the introduction.

(6) Some maps are to be given showing the journey of the poet and the voyages of Dhanapati and Srimanta.

The fact that the Calcutta University is going to hold examination in M.A. in Bengali and that it has prescribed *Kabikankan Chandi* as one of the text books has encouraged me in the hope that the University will undertake the publication of an edition of *Kabikankan Chandi* such as I have been preparing. I am willing to place my services at the disposal of the University for this purpose.

I pray that you will be pleased to place my statement before the University and to inform me of its decision. May I be permitted to add that I saw Sir Asutosh with this object in view and he was pleased to direct me to submit my case through you.

I have the honour to be,

SIR,

Your most obedient servant,

HRISHIKESH BASU.

} Professor of English, St. Paul's  
College, Calcutta."

*Dated, etc. etc.,*

1st December, 1919.

RESOLVED—

That the writer be thanked for his suggestion and that Rai Saheb Dineschandra Sen, B.A., Babu Charuchandra Banerjee, B.A., and Babu Hrishikesh Bose, M.A., be appointed a Board of Editors, to prepare a critical edition of *Kabikankan Chandi* for publication by the University."



**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 6th December, 1919 :

**“RESOLVED—**

That the following books be prescribed for the M.A. Examination in History, 1922 :

**HISTORY, 1922.**

The following are the selected periods and the books recommended for study. Candidates are expected to possess a thorough acquaintance with the works marked with an asterisk :—

Books recommended for study—

*Paper I.—Selected period of English History, from 1756 to 1815, excluding the History of British India.*

- |            |     |  |
|------------|-----|--|
| *Lecky     | ..  | History of the Eighteenth Century.             |
| *Robertson | ..  | England under the Hanoverians.                 |
| *Rose      | ... | Revolutionary and Napoleonic Era.              |
| Burke      | ... | Present Discontents ; Two Speeches on America. |
| *Roseberry | ... | Pitt.  |

*Paper II.—Selected period of Indian History, from 600 B. C.—900 A. D.*

- |                                    |     |   |
|------------------------------------|-----|---|
| *Manu                              |     | Institutes (Translated by Bühler). Chapters 2, 3, 6, 7, 10.               |
| *Kautilya                          |     | Arthashastra (Translated by R. Shama Sastri). Books 1, 2, 5, 6, 7, 8, 11. |
| Rangaswami Aiyangar                |     | Ancient Indian Polity.  |
| Rhys Davids                        |     | Buddhist India.   |
| V. A. Smith                        |     | Asoka.  |
| *R. G. Bhandarkar                  |     | Early History of the Deccan.  |
| *Krishnaswami Aiyangar             |     | Beginnings of the South Indian History. Chap. 1-3.                        |
| *D. R. Bhandarkar                  |     | Carmichael Lectures—First Series.   |
| *Megasthenes                       |     | Indica.   |
| The Periplus of the Erythraean Sea |     | (Translated by Schoff).   |
| *† Fa Hian                         | ... | Travels (Translated by Legge).  |
| *† Yuan-Chwang                     | ... | Travels in India (Translated by Watters).                                 |

\*Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

† Candidates are not required to possess a minute knowledge of geographical details.

\*V. A. Smith ... Early History of India (latest edition).

(Students are expected to possess a general knowledge of the Ancient Geography of India.)

*Paper III.—General History of the Ancient East.*

Breasted ... History of Egypt.  
 Ditto ... Development of Religion and Thought in Ancient Egypt.  
 Jastrow ... Civilisation of Babylonia and Assyria.  
 Rogers ... History of Babylonia and Assyria, 1917.

*Paper IV.—Constitutional History of England.*

Stubbs ... Constitutional History of England.  
 Hallam ... Ditto Ditto.  
 Erskine May ... Ditto Ditto.  
 Documents and Extracts illustrative of English Constitutional History (Calcutta).

*Paper V.—International Law.*

Hall ... International Law.  
 Wheaton ... International Law (Ed. Phillipson).  
 Stowell and Munro ... International Cases, 2 vols.

*Paper VI and VII.—History of Islam.*

\*Muir ... Caliphate.  
 \*Zeydan ... Umayyadas and Abbasides.  
 \*Khuda Buksh ... Islamic Civilisation.  
 \*Goldziher ... Mohammed and Islam (Tr. Seelye) (Yale University Press).  
 Freeman ... History and Conquest of the Saracens.  
 Gibbon ... Decline and Fall of the Roman Empire, Chapters 50-52, 56-59, 64, 65, 67, 68.  
 Ameer Ali ... History of the Saracens.  
 \*Elphinstone ... History of India.  
 \*Elliott ... Ditto.  
 \*Ferishta ... History of the Rise of the Mahamadan Power (Tr. Briggs).  
 \*Babar ... Memoirs (Talbot or Beveridge).  
 Vincent Smith ... Akbar.

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\* Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

- \*Owen India on the Eve of the British Conquest.  
 Do. Fall of the Moghul Empire.  
 Keene Ditto Ditto.  
 \*Hitti Origins of the Islamic State (Columbia University Press).  
 \*Aghnides Mohammedan Theories of Finance (Columbia University Press).  
 \*Cambridge Mediæval History, Vol. II, Chapters 10-12.

*pecial period of Indian History.*

One of the following alternative courses :

(A) Rise of the British Power in India. .

- \*Mill . History of British India, edited by Wilson (from Chapter VII of Book IV to the end of Book VI).  
 Sir Alfred Lyall . The Rise and Expansion of the British Dominion in India.  
 Malcolm . Political History of India.  
 \*Owen . India on the Eve of the British Conquest.  
 Ramsay Muir Making of British India.  
 Ranade Introduction to Peshwa Diaries.  
 Keene . Fall of the Moghul Empire.  
 \*Grant Duff . History of the Mahrattas.  
 Bowring . Haidar Ali and Tipu Sultan (Rulers of India Series).  
 R. C. Dutt Economic History of India under the Early British Rule.  
 Francklin . Shah Alum.  
 Gholam Hossain Khan Seir Mutaqherin—Sections XII, XIII and XIV.  
 \*Forrest . Selections from State Papers, 1772-85 (Portions relating to the Rohila War, Warren Hastings relation with Nandakumar, Chait Sing and the Begums of Oudh).  
 \*Owen . Selections from Wellesley Despatches.  
 \*Fifth Report of the Committee on the affairs of the East India Company, Bengal Presidency, including Grant's Analysis.

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\*Candidates are expected to possess a thorough acquaintance of the books marked with an asterisk.

(B) History of the Rajputs (Books to be recommended later).

(C) History of the Maharattas (Books to be recommended later).

(D) History of the Sikhs (Books to be recommended later).

*Economic History of England and India.*

- \*Cunningham ... Growth of English Industry and Commerce.  
 \*Bowley ... History of England's Foreign Trade in the XIXth Century.  
 Traill ... Social England, Vol. VI, Economic Section.  
 Buxton ... Finance and Politics.  
 \*Ashley ... Economic Organisation of England.  
 Ascoli ... Early Revenue History of Bengal.  
 Robinson ... East India Trade.  
 Report of the Industrial Commission.  
 Imperial Gazetteer of India, Vols. III and IV (Economic portions).  
 History of Commerce in India, 1765-1918.

*Comparative Politics.*

- \*Kautilya ... Arthasāstra (Trans. Shama Sastri).  
 Rangaswami Aiyangar... Ancient Indian Polity.  
 Pramathanath Banerjee Public Administration in Ancient India.  
 \*Aristotle ... Constitution of Athens (Tr. Poste).  
 \*Coulanges ... Ancient City (Tr. Small).  
 Warde Fowler ... The City State of the Greeks and Romans.  
 Maine ... Ancient Law.  
 \*Sidgwick ... Growth of European Polity.  
 \*Freeman ... Comparative Politics.  
 Woodrow Wilson ... Constitutional Government.  
 \*Lowell ... Governments of France, Germany and Italy.  
 Vincent ... Switzerland.  
 Wallace ... Government of England.  
 \*Allen ... Evolution of Governments and Laws.  
 Ogg ... Government of Europe.

\* Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

*Special period of European History—The French Revolution  
to the Death of Robespierre.*

**\*Cambridge Modern History, Vol. VIII.**

Mignett	...	History of the French Revolution.
*Thiers	...	History of the Great French Revolution.
De Tocqueville	...	France before the Revolution.
*Acton	...	Lectures on the French Revolution.
*Carlyle	...	History of the French Revolution, edited by Flecher or Rose.
*Burke	...	Reflections on the French Revolution.
*Young	...	Travels in France during the years 1787-89.
*Aulard	...	Political History of the French Revolution.
Putzger	...	Historical Atlas.

**ANCIENT INDIAN HISTORY AND CULTURE.**

**COMPULSORY PAPERS.**

*(1) General History of Vedic and Epic India.*

*Weber	...	History of Indian Literature (pages 1—195).
*Macdonell	...	History of Sanskrit Literature (Chaps. I—X).
Jacobi	...	Das Ramayana.
*Hopkins	...	The Great Epic of India.
*D. R. Bhandarkar	...	Carmichael Lectures, First Series (1918).
*Muir	...	Sanskrit Texts, Vol. V.
Kaegi	...	Rigveda.
Zimmer	...	Altindisches Leben, Book I, Ch. 4, and Book II, Ch. I.

*(2-3) Political History of the Post-Epic Period.*

*V. A. Smith	...	Early History of India.
*Bombay Gazetteer, Vol. I.		
Krishnaswami Aiyangar	...	Ancient India.
Krishnaswami Aiyangar	...	Beginnings of South Indian History, Chaps. 1-3.
*Pargiter	...	Dynasties of the Kali Age.
*Inscriptions relating to Pāla and Sena Dynasties.		

\*Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

- \*D. R. Bhandarkar ... Carmichael Lectures, First Series (1918).  
 \*Stein ... Rājataranginī (Introduction only).

(1) *Historical Geography of Ancient India.*

- \*Cunningham ... Ancient Geography of India.  
 \*Periplus of the Erythraean Sea.  
 \*Ptolemy ... Geography of India.  
 \*Watters ... Yuan Chwang.  
 Fleet ... Topographical List of Brihat-samhitā (Indian Antiquary, 1893, pp. 169—195).  
 Vivien de St. Martin ... Etude sur la géographie et les populations primitives du nord-ouest de l'Inde d'après les Hymnes Védiques.  
 Pargiter ... Translation of Markandeya Purana (Bhuvanakosa only).  
 Foucher ... Notes on the Geography of Gāndhāra.

\*Reports of the Archaeological Survey of India about Takshasilā, Isipatana, Vaisālī, Śrāvastī, Rajagriha and Kusināra.

OPTIONAL PAPERS.

I.—ARCHAEOLOGY. (A).

(1) *Epigraphy.*

- \*Inscriptions of Asoka.  
 \*Inscriptions of Khāravela, Sunga and Sātavāhana Kings.  
 \*Inscriptions of the Kshatrapa families.  
 \*Inscriptions of the Imperial Gupta Dynasty.

(2) *Fine Arts and Iconography.*

- \*V. A. Smith ... History of Fine Arts in India and Ceylon.  
 \*Havell ... Indian Sculpture and Painting.  
 \*Gopinath Rao ... Elements of Hindu Iconography.  
 \*Grunwedel ... Buddhist Art.  
 Foucher ... Beginnings of Buddhist Art.  
 G. N. Banerjee ... Hellenism in Ancient India.

\*Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

(3) *Numismatics.*

- \*V. A. Smith ... Catalogue of the Coins in the Indian Museum (up to the end of the Gupta period).  
 \*Rapson ... Catalogue of Coins : Andhras, Western Kshatrapas, etc.  
 \*Allan ... Catalogue of Coins ; Gupta Dynasties.  
 \*Whitehead ... Catalogue of the Coins of the Punjab Museum, Lahore, Vol. I.

(4) *Ancient Architecture.*

- \*Fergusson ... History of Indian and Eastern Architecture, Vols. I-II.  
 \*Havell ... Ancient and Mediaeval Architecture of India.

## I. ARCHAEOLOGY. (B).

## (ALTERNATIVE COURSE).

*Paper V.*

- D. R. Bhandarkar ... Carmichael Lectures (Second Series).  
 Adolpha Reinach ... Apropos de l'origine de l'alphabet (Revue Epigraphique, janvier-mars 1914, pp. 134-155).  
 Dr. Flinders Petrie ... The Formation of the Alphabet.  
 Wilke ... Sudwest Europäische Megalithkultur und ihre Beziehungen zum Orient (pp. 55-65).

The Journal of the Hyderabad Archaeological Society, 1917,  
pp. 55-79.

The Indian Antiquary, May, 1919.

*Paper VI.*

- E. A. Parkyn ... Prehistoric Art.  
 T. Wilson ... Arrowpoints, Spearheads and Knives of Prehistoric Times (Washington, 1899).  
 Avebury ... Prehistoric Times (7th edition, 1913, Williams and Norgate).

\*Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

- W. J. Sollas** Ancient Hunters and their Modern Representatives (Macmillan, 2nd edition).
- Logan** Old Chipped Stones of India (Thacker Spink & Co., 1916).
- R. Bruce-Foote** The Foote collection of Indian Prehistoric and Protohistoric Antiquities—Notes on their Ages and Distribution (Madras Govt. Press, 1916).
- J. Coggin-Brown** Catalogue raisonné of the Prehistoric Antiquities in the Indian Museum (Simla Govt. Press, 1917).
- A. Rea** ... Catalogue of the Prehistoric Antiquities from Adichanallur and Perumbair (Madras Govt. Press, 1915).

**Journal of the Behar and Orissa Research Society**

September, 1918.

*Paper VII.*

- Bruce-Foote** ... Notes on Ages and Distribution, p. 125.
- Coggin-Brown** ... Catalogue raisonné, p. 144.
- Rapson** ... Indian Coins.  
... Journal Royal Asiatic Society, 1895.
- E. Thomas** ... Ancient Indian Weights.
- T. W. Rhys Davids** ... On the Ancient Coins and Measures of Ceylon.
- Sir Walter Eliot** ... Coins of Southern India (1886), pp. 45-63.
- W. Bridgeway** ... The Origin of Metallic Currency and Weight Standards, 1892.
- H. C. Millies** ... Recherches sur les Mounaies des Indigenes de l'Archipel Indien et de la Péninsule Malaie (1871).
- A. C. Haddon** ... Evolution in Art (Chapter on Wealth).



## Paper VIII.

T. Eric Peet	...	Rough Stone Monuments and their Builders (Harper, 1912).
Fergusson	...	Rude Stone Monuments in all Countries (London 1872).
Montelius	...	Orient and Europa (1909).
Congreve	...	Madras Journal of Literature and Science (1847).
Yule	...	Proceedings of the Society of Antiquaries, Scotland, Volume I.
Taylor	...	Transactions of the Royal Irish Academy, Vol. XXIV.
Walhouse	...	Journal of the Anthropological Institute (1877, August).
Babington	...	Transactions, Literary Society of Bombay (1823).

Reports of the Archaeological Survey, Madras (1902-17).

## II.—SOCIAL AND CONSTITUTIONAL HISTORY.

(1—3) *ocial and Economic Life and Administration.*

*Zimmer	...	Altindisches Leben.
Rhys Davids	...	Buddhist India.
*Hillebrandt	...	Ritualliteratur, Chaps. I—II. (Grundriss Series).
*Fick	...	Die Sociale Gliederung in Nordostlichen Indien.
Mrs. Rhys Davids...	Notes on Early Economic Conditions in Northern India. (J. R. A. S. London, 1901, pp. 159-888. Economic Journal for 1901).	
*Kautilya	...	Artha-Sāstra.
Rangaswami Aiyangar,	Ancient Indian Polity.	
*Mahabharata-Santiparva,	Sections 56-157.	
P. N. Banerjea	...	Public Administration in Ancient India.
*Manu	...	Institutes (trans. Bühler).
*Gautama and Baudhayana—	Dharma Sutras and Gobhila Grihya Sutras. (Sacred Books of the East Series.)	
*Alberuni	...	India (omitting the mathematical details), trans. Sachau.
*Periplus of the Erythraean Sea	(trans. Schoff).	
Rawlinson	...	India and the Western World.
*D. R. Bhandarkar...	Carmichael Lectures, First Series (1918).	

\* Candidates are expected to possess a thorough acquaintance of the books marked with an asterisk.

- R. C. Majumdar      Corporate Life in Ancient India.  
 R. K. Mookerjee      Local Government in Ancient India.
- (4) *Ethnology.*  
 \*Keane      Ethnology.  
 Ruggeri      The first outline of a systematic Anthropology of Asia—tr. Chakladar.  
 Haddon      Races of Man.  
 Risley      Ethnographic Appendices (Census of India, 1901).  
 \*Ditto      Peoples of India. (Second Edition).  
 \*Senart      Castes in India (Indian Antiquary, 1912, pp. 101-114 and pp. 129-139).  
 Thurston      Ethnographic Notes on Southern India (one Volume edition), pp. 101-114 and pp. 129-139.  
 \*D. R. Bhandarkar      Foreign Elements in the Hindu Population (Indian Antiquary, 1911, pp. 7-37), Guhilot (J. A. S. B. 1910).  
 Ramaprasad Chanda      The Indo-Aryan Races.  
 \*Risley      ... Manual of Anthropometry.  
 Gupte, Craniological      Data from the Indian Museum, Calcutta.  
 Ducworth      ... International agreements for unification of craniometric measurements (Camb. Univ. Press).

### III. RELIGIOUS HISTORY.

#### *General.*

- \*Hopkins      ... Religions of India (Handbook on the History of Religions Series).  
 \*Barth      ... Les Religions de l'Inde et Bulletins des religions de l'Inde, Vols. I and II.  
 Gupte      ... Hindu Holidays and Ceremonies.  
 (1) *Vedic Religion.*  
 \*Bloomfield      ... Religion of Veda.  
 \*Macdonell      ... Vedic Mythology.  
 \*Hillebrandt      ... Ritual-literatur, Chaps. I, III and IV.  
 (2) *Epic and Puranic Religions.*  
 \*R.G. Bhandarkar      ... Vaisnavism, Saivism and Minor Religious Systems (omitting XIX-XXV of Part I).

\*Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

(3) *Buddhism.*

- \*Rhys Davids ... American Lectures.  
 \*Mrs. Rhys Davids ... Buddhism.  
 \*Kern ... Manual of Indian Buddhism.  
 \*Spence Hardy ... Manual of Buddhism.  
 \*Oldenberg ... Buddha.  
 \*I-tsing ... Records of the Buddhist Religion (Takakusu).  
 \*Fa Hian ... Travels (Legge).  
 \*Warren ... Buddhism in Translations.  
 \*Hoernle ... Manuscript remains of Buddhist Literature found in Eastern Turkestan, Vol. I (the translations and notes only).

(4) *Jainism.*

- \*Jacobi ... Introduction and Translation of the Jaina Sutras, Parts I and II (Sacred Books of the East, Vols. XXII and XLV).  
 \*R. G. Bhandarkar ... Report on the Search of Sanskrit Manuscripts in the Bombay Presidency during the year 1883-84, pp. 91-157.  
 \*Bühler ... On the Indian Sect of the Jainas (translated and edited with an outline of Jaina Mythology by Burgess).  
 \*Vijayanandasuri .. Sri-Jainatattvadarsa.  
 Uvasagadasao .. Bib. Ind. Series.  
 Hoernle .. Ajivakas (Enc. Rel. and Ethics).

## IV.—INDIAN ASTRONOMY AND MATHEMATICS.

(1) *Mathematics.*

Selected texts on Mathematics for critical, historical and comparative study:—

- Sulva-Sutras.  
 \*Thibaut ... On the Sulva-Sutras. (J. A. S. B., Vol. 44.)  
 The Pandit, Vols. 9 and 10 (Old Series); Vols 1 and 4 (New Series).  
 Burk ... Das Apastamba Sulva-Sutras. (Z. D. M. G., Vols. 55 and 56).

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\* Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

(2) *Mathematics*

History of Mathematics, with special reference to the works of Aryabhata I, Varaha Mihira, Brahmagupta, Aryabhata II, Mahavira, Sridhara and Bhaskaracharya.

The following books are recommended :—

*Aryabhatiam	...	Edited by Dr. Kern.
Brahmasphuta-siddhanta	...	Edited by Pd. Sudhakara Dvivedi.
*Mahavira	...	Ganita-sara-sangraha (Madras).
Sridhara	...	Trisatika, edited by Pd. Sudhakara Dvivedi.
Ditto	...	Edited by G. R. Kaye and K. Ramanujachariya.
Lilavati and Vijaganita	...	Edited by Pd. Sudhakara Devivedi
Ditto	...	Edited by Pd. Radhaballabh Jyotistirtha.
Lilavati	...	Edited by H. C. Banerji.
*Colebrooke	...	Translation of the Lilavati and the Vijaganita, and the Chapters on Mathematics in the Brahmasphuta-siddhanta.
Smith, D. E.	...	Hindu-Arabic Numerals.
Schubert, H.	...	Mathematical Essays and Recreations, translated by T. J. McCormack.

(3) *Astronomy.*

Selected text on Astronomy for critical, historical and comparative study :—

\*Suryya-Siddhanta.

Editions and Translations recommended :—

Suryya-Siddhanta	...	With Ranga Natha's Commentary.
Ditto	...	Translated by Burgess and Whitney (J. Am. Orient Society, Vol. VI).

(4) *Astronomy.*

History of Astronomy, with special reference to Jyotisha-Vedanga, Jaina Astronomy, the (modern) Suryya-siddhanta, and to the works of Aryabhata I, Varaha Mihira, Brahmagupta, Aryabhata II, Munjala, and Bhaskaracharya.

The following books are recommended :—

Yajusha Jyotisham	By Pd. Sudhakara Dvivedi.
*Thibaut	Contributions to the Study of the Jyotisha-Vedanga (J. A. S. B., 1877).
Ditto	On the Suryya-prajnapti, (J. A. S. B., 1880).
*Aryyabhatiyam	Edited by Dr. Kern.
*Pancha-siddhantika	Translated by Dr. Thibaut and Pd. Sudhakara Dvivedi.
*Kern	Preface to the Brihat-Samhita of Varaha Mihira (Collected Works, Vol. 4).
Brahma-sphuta-siddhanta	Edited by Pd. Sudhakara Dvivedi.
*Bhaskara	Siddhanta Siromani, edited by Pd. Bapudev Shastri.
Ditto	By Pd. Bapudev Shastri and Wilkinson.
*Bentley, J.	Hindu Astronomy.
Bailley, J. F.	Historie de l'astronomie ancienne depuis son origine jusqu'à l'establishment de l'ecole d'Alexandria (1871).
Playfair	(1) On the Astronomy of the Brahmans.
	(2) On the Trigonometry of the Brahmans, (Collected Works, Vol. III).
*Brennad	Hindu Astronomy.
*Whitney	Oriental and Linguistic Studies (Series II, 1875); The twelfth Essay—The Lunar Zodiac, on the views of Biot and Weber respecting the relations of the Hindu and Chinese systems of asterisms; with an addition on Muller's views, etc.
Max Müller	On Ancient Hindu Astronomy and Chronology (Preface to Rig Veda, Vol. 4).

\* Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.

*Thibaut	... Grundriss der Indo-arischen Philologie, Vol. III, No. 9. Articles in the "Indian Thought" on the History of Indian Astronomy.
Bhau Daji	... Literary Remains.
Tilak	... The Orion.
Do.	... The Arctic Home of the Vedas.
Jones	... Articles on Indian Astronomy, Collected Works, Vol. I.
Davis, S.	... On Hindu Astronomy (As. Res., Vol. II).
Montucla	... Histoire des Mathematiques, Vol. I, Part I, Book 3.
Delambre	... Histoire de Astronomie, Vol. I.
Marie	... Histoire des Sciences Mathematiques et Physiques, Vol. II. (The Articles on Aryyabhata, Brahmagupta, Bhaskara).
Cantor	... Geschichte der Mathematik.
Newcomb	... Astronomy.

Read a memo from Mr. J. Masuda, University Lecturer in History, forwarding with his recommendation an application from Prabodhchandra Bagchi, a student of the 6th-year class in Ancient Indian History and Culture (Group III), requesting permission to offer a thesis in lieu of Examination in Papers VII and VIII.

**RESOLVED—**

That the application be refused.

The Secretary reported that Abanimohan Basu has been awarded the stipend in Social and Constitutional History Group in place of Jatindralal Nandi who did not join the class.

**RESOLVED—**

That the award be confirmed with effect from the beginning of the Session.

**RESOLVED ALSO—**

That at the M.A. Examination in 1920, candidates be allowed to take up "Reformation" instead of "French Revolution" at their choice.

**RESOLVED FURTHER—**

That during the remainder of the current session, the work of instruction in Paper I (Vedic India) in Ancient Indian

History and Culture be entrusted to Babu Haranchandra Chakladar and Babu Surendranath Majumdar jointly."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Political Economy and Political Philosophy, dated the 6th December, 1919 :

**"RESOLVED—**

That the following books be prescribed for the M.A. Examination in Political Economy and Political Philosophy, 1922 :—

**POLITICAL ECONOMY AND POLITICAL PHILOSOPHY, 1922.**

**Papers I and II.**

*General Economics.*

*A. Marshall	...	Principles of Economics.
"	...	Industry and Trade.
*Taussig	...	Principles of Political Economy.
*Bastable	...	International Trade.
Pigou	...	Wealth and Welfare.
Todd	...	Mechanism of Exchange.
Bartholomew and Lyde	..	Atlas of Economic Geography (for reference).

**Paper III.**

*General Principles of Political Philosophy.*

*Sidgwick	...	Principles of Politics.
J. S. Mill	...	Liberty.
* Ditto	...	Representative Government.
*Green	...	Lectures on Political Obligations.
*Wiloughby	...	Nature of the State.
Hobhouse	...	Social Evolution and Political Theory.
Kant	...	Perpetual Peace (Tr. Miss Campbell Smith).
Ramsay Muir	...	Nationalism and Internationalism.
Theory of the State	...	(Oxford Press.)

**Paper IV.**

*Public Administration.*

*Lowell	...	Government of England.
*Dicey	...	Law of the Constitution.

<sup>1</sup>Candidates are expected to possess a through acquaintance with the books marked with an asterisk.

- \*Bastable ... Public Finance.  
 \*Keith ... Responsible Government in the Dominions.  
 Egerton ... Rise and Growth of British Colonies.  
 P. Mukerjee ... Indian Constitutional Documents.  
 Ayyangar ... Indian Constitution.  
 Imperial Gazetteer of India—Vol. IV (Administrative).  
 Fifth Report of the Select Committee of the House of Commons, 1812 (Extracts and Documents published by the Calcutta University and Introduction to "Early Revenue History of Bengal," by Ascoli).  
 Fifth Decennial Report on Moral and Material Progress, 1913.

## GROUP A.

## Paper V.

*General History of Economics.*

- \*Haney ... History of Economic Thought.  
 \*Gide and Rist ... A History of Economic Doctrines.  
 \*Meredith ... Economic History of England (from the Industrial Revolution.)  
 Malthus ... Population (Selections, Economic Classic Series, Macmillan & Co.)  
 Ricardo ... Political Economy (Selections, Economic Classic Series, Macmillan & Co.)  
 Adam Smith ... Select Chapters from Wealth of Nations. (Economic Classics Series, Macmillan & Co.)  
 Cunningham ... Growth of English Industry and Commerce—Modern Times, Part II (*Laissez Faire*.)

## Papers VI and VII,

*(i) The History, Theory and Present Systems of Banking and Currency.*

- \*Conant ... Principles of Money and Banking.  
 Pierson ... Principles of Economics, Vol. I. Part II (Money).

\*Candidates are expected to possess a thorough acquaintance with the books marked with an asterisk.



- \*Fisher ... Purchasing Power of Money.
- \*Dunbar ... History and Theory of Banking.
- Burton ... Commercial Crises.
- \*Withers ... Stocks and Shares.
- Andreades ... History of the Bank of England.
- Layton ... Introduction to Study of Prices.
- Marshall's Evidence, Gold and Silver Commission, 1888.
- Report of the Royal Commission on Indian Currency and Finance. 1914.

(ii) *History, Theory and Present Organisation of International Trade.*

Chapters bearing on the subject in Ricardo, J. S. Mill and Cairness,

- List ... National System of Political Economy, Book II.
- \*Pigou ... Protective and Preferential Import Duties.
- Giffen ... The Use of Import and Export Statistics (Essay IX in Vol. of Economic Inquiries and Studies).
- Goschen ... Foreign Exchanges.
- P. Ashley ... Modern Tariff History.
- Taussig ... Tariff History of the United States.
- Bowley ... England's Foreign Trade in the XIXth century.
- \*Brown ... International Trade and Exchange.
- \*Taussig ... Aspects of the Tariff Question.
- Clare ... A. B. C. of Foreign Exchange.
- Marshall ... White Paper on Tariff Policy.

Views of the Government of India on the question of Preferential Tariffs, 1904. Ed. 1913.

Review of the Trade of India (latest issue).

(iii) *The Theory and Practice of Statistics including Demography.*

- \*A. L. Bowley ... Elements of Statistics.
- King ... Statistical Methods.
- Giffen ... Statistics.
- Bowley ... Measurement of Social Phenomena.
- Mayo Smith ... Statistics and Economics; Statistics and Sociology.
- \*Yule ... Introduction to Statistics.
- Newsholme ... Vital Statistics.
- West ... Mathematical Statistics.

I have to honour to submit most respectfully the following facts for favour of your kind consideration.

The Jubilee Volume of the Royal Statistical Society.

British and Foreign Trade and Industries, being Memoranda, etc., prepared by the Board of Trade (commonly called the Fiscal Blue Books).

Imperial Gazetteer, Vol. I, Chapter IX and X.

Moral and Material Progress of India—(Decennial Edition, 1913).

(ix) *Mathematical Economics.*

*Cunningghame	...	Goemetrical Political Economy.
*Cournot	...	Mathematical Principles of the Theory of Wealth (Economic Classic Series, Macmillan & Co.)
*Jevons	...	Theory of Political Economy.
Marshall	...	Principles of Economics (Mathematical appendices).
*Pantaleoni	...	Pure Economics.
Edgeworth	...	Mathematical Psychics.
Wicksteed	...	Alphabet of Economic Science.
* Ditto	...	Common Sense of Political Economy.

Articles by Flux, Seager, Chapman, Pigou and Edgeworth in the Economic Journal (bearing on Mathematical Economics).

Pigou ... Wealth and Welfare.

(r) *Elements of Statistics and the Mathematical treatment of Economic Theory.*

Giffen	...	Statistics.
Mayo Smith	...	Statistics and Economics.
*Yule	...	Introduction to Statistics.
*Cunningghame	...	Goemetrical Political Economy.
*Cournot	...	Mathematical Principles of the Theory of Wealth (Economic Classic Series, Macmillan & Co.).
*Pantaleoni	...	Pure Economics.
*Wicksteed	...	Common Sense of Political Economy.

**Group B.**

*Pape V.—General History of Political Philosophy.*

Theories of the State contained in—

*Aristotle	...	Politics.
*Hobbes	...	Leviathan.

† Candidates are not required to possess a minute knowledge of geographical details.

*Locke	...	Second Treatise on Government.
*Rousseau	...	Social Contract.
Kant	...	Principles of Politics (Hastie's translation of the four Essays on Political Theory).
*Bentham	...	Fragment on Government.
*Dunning	...	History of Political Theories. (a) Ancient and Mediæval. (b) From Luther to Montesquieu.
Burns	...	Political Ideals.
<i>Papers VI and VII.—Comparative Study of Political Institutions.</i>		
*Kautilya	...	Arthashastra (translation by Shama)
Rangaswami Aiyangar		Ancient Indian Polity.
Pramathanath Banerjea.		Public Administration in Ancient India.
*Aristotle	...	Constitution of Athens (tr. Poste).
*Woodrow Wilson	...	Constitutional Government.
*Coulanges	...	Ancient City (tr. Small.)
*Warde Fowler	...	The City State of the Greeks and Romans.
*Maine	...	Ancient Law.
*Sidgwick	...	Growth of European Polity.
*Freeman	...	Comparative Politics.
*Lowell	...	Governments and Parties in Continental Europe.
*Allen	...	Evolution of Governments and Laws.
Ogg	...	Governments of Europe.
Sidney Low	...	Governance of England.
<i>Comparative Study of Social Institutions.</i>		
Lester Ward	...	Dynamic Sociology, Vol. II.
*Giddings	...	Principles of Sociology, Vol. II.
Mayo Smith	...	Sociology, Vol. II.
*Tylor	...	Primitive Culture.
Frazer	...	Totemism and Exogamy, Vol. II.
*Mackenzie	...	Social Philosophy.
Fairchild	...	Applied Sociology.
Risley	...	Peoples of India.
Gait	...	Census Report for India, 1911.
Durell	...	Fundamental Sources of Efficiency.

\* Candidates are expected to possess a thorough acquaintance of the books marked with an asterisk.

*International Law with reference to existing Political and Economic Institutions.*

- |                    |     |   |
|--------------------|-----|---|
| *Hall              | ... | International Law.                            |
| *Westlake          | ... | International Law (Peace and war),<br>2 vols. |
| *Higgins           | ... | Hague Peace Conferences.                      |
| *Wheaton           | ... | International Law, edited by<br>Philipson.    |
| *Pitt Cobbett      | ... | Cases on International Law, 2 vols.           |
| *Stowell and Monro | ... | International Cases, 2 vols.                  |
| Woolf              | ... | International Government.                     |

PAPER VIII.—*Essay.*

GROUPS A and B.

Candidates will be required to write an essay on some topic connected with one of the following subjects; the essay must treat the topic chosen by the candidate with special reference to Indian conditions :—

- |                             |                         |
|-----------------------------|-------------------------|
| 1. Famines.                 | 6. Land Systems.        |
| 2. Co-operation.            | 7. Forms of Government. |
| 3. Railways.                | 8. Statistical Studies. |
| 4. Industrial Organisation. | 9. Village Communities. |
| 5. Currency Problems.       | 10. Labour Problems."   |

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Pure Mathematics, dated the 6th December, 1919 :—

“ RESOLVED—

That the following books be prescribed for the M.A. Examination in Pure Mathematics, 1922 :—

NOTE.—It is to be understood that, in the following list of books, wherever a book is recommended for a subject, students are expected to read those parts of the book only which deal with that particular subject :—

1. Higher Algebra—

Chrystal ... Algebra, Part II, Chapters 23-28, 32-34.

Wilczinski and Slaught College Algebra with applications  
(Allyn & Bacon, New York).

2. Higher Plane Trigonometry—

Hobson ... Plane Trigonometry.

## 3. Spherical Trigonometry—

- Casey ... Spherical Trigonometry.  
 Todhunter ... Spherical Trigonometry. (Ed. Leathem.)

## 4. Theory of Equations and Algebra of Quantics—

- Burnside and Panton ... Theory of Equations.  
 Glenn ... Theory of Invariants. (Ginn & Co.)  
 Elliot ... Introduction to the Algebra of Quantics.

## 5. Plane Analytical Geometry, including Higher Plane Curves—

- Salmon ... Conic Sections.  
 Do. ... Higher Plane Curves.  
 Basset ... Treatise on Cubics and Quartics.  
 S. M. Ganguly ... Plane Curves.

## 6. Geometry of Surfaces—

- Salmon ... Geometry of Three Dimensions, 5th Ed., Vol. I, Chapters I-X.  
 Bell ... Analytical Geometry of Three Dimensions.  
 Forsyth ... Differential Geometry, Chapters I-V.

## 7. Differential Calculus—

- Edwards ... Differential Calculus.  
 Williamson ... Ditto.  
 Goursat ... Mathematical Analysis, Vol. I. (Trans. Hedricks.) (Ginn & Co.)

## 8. Integral Calculus—

- Williamson ... Integral Calculus.  
 Todhunter ... Ditto.  
 Goursat ... Mathematical Analysis, Vol. I. (Trans. Hedricks.) (Ginn & Co.)

## 9. Differential Equations—

- Bateman ... Differential Equations.  
 Forsyth ... Differential Equations.  
 Goursat ... Mathematical Analysis, Vol. II, Part II (Trans. Hedricks.) (Ginn & Co.)

## 10. Calculus of Variations—

- Byerly ... Introduction to Calculus of Variations (Harvard University Press).
- Bolza ... Calculus of Variations, Chapters I-III.

## 11. (a) Theory of Functions—

Either of the following alternative courses :—

## A

- MacRobert ... Functions of a Complex Variable (Macmillan & Co.).
- Townsend ... Functions of a Complex Variable (Henry Holt & Co.).
- Goursat ... Mathematical Analysis, Vol. II, Part I. (Trans. Hedricks.) (Ginn & Co.)
- Klein ... Lectures on Mathematics.

## B

- Hobson ... Theory of Functions of a Real Variable (omitting Chapter III).
- Huntington ... Continuum (Harvard University Press).

## (b) Theory of Groups—

Miller, Blichfeldt and Dickson

- ... Finite Groups (John Wiley & sons).
- Burnside ... Theory of Groups.
- Klein ... Lectures on Icosahedron (tr. Morrice), Part I only.
- Hilton. ... Finite Groups (Oxford).
- Blichfeldt ... Finite Collineation Groups (Chicago University Press).
- Dickson ... Algebraic Equations.

## (c) Finite Differences and Calculus of Functions—

- Boole ... Finite Differences.
- Burn and Bron ... Ditto.
- Carmichael ... Calculus of Operations.
- Herschel ... Examples of Calculus of Finite Differences.
- Babbage ... Examples of Functional Equations.
- De Morgan ... Calculus of Functions.

**(d) Vector Analysis and Quaternions—**

Joly	...	Quaternions.
Hamilton	...	Elements of Quaternions (Ed. Joly). Vol. I Book I-II.

**(e) Projective Geometry—**

Either of the following alternative courses :—

**A**

Mathews		Projective Geometry.
Durell		Plane Geometry for Advanced Students, Vol. II.
Cremona		Projective Geometry.
Hilbert		Foundations of Geometry (trans. Townsend) (Open Court Publishing Co.).
Silberstein	...	Projective Vector Algebra.

**B**

Frankland	...	Theories of Parallelism (Cambridge University Press).
Lobacheoski	...	Theory of Parallels (trans. Halsted) (Open Court Publishing Co.).
Bolyai	...	Science Absolute of Space. (trans. Halsted) (Open Court Publishing Co.).
Bonola	...	Non-Euclidean Geometry (trans. Carlsaw) (Open Court Publishing Co.).
Carlsaw	...	Non-Euclidean Geometry and Trigonometry.
Sommerville	...	Non-Euclidean Geometry.
Manning	...	Geometry of Four Dimensions.

**(f) Theory of Numbers—**

Reid	...	Theory of Algebraic Numbers.
Mathews	...	Theory of Numbers.
Smith	...	Reports on the Theory of Numbers (Collected papers Vol. I, pp. 38-364).
Dedekind	...	Essays on the Theory of Numbers (trans. Beman) (Open Court Publishing Co.).
Huntington	...	Continuum (Harvard University Press).

Cantor

... Transfinite Numbers (translated by P. B. Jourdain)  
(Open Court Publishing Co.).

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in English, dated the 5th December, 1919 :—

**“RESOLVED—**

That the “time-table of tutorial work as annexed to these Proceedings be adopted.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Sanskrit, dated the 5th December, 1919 :—

**“RESOLVED—**

That the time-table of tutorial work as annexed to these Proceedings be adopted.”

**RESOLVED—**

That the Proceedings be confirmed,

Read the following Proceedings of the Board of Higher Studies in Pali, dated the 5th December, 1919 :—

**“RESOLVED—**

That the time-table of tutorial work as annexed to these Proceedings be adopted.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 5th December, 1919 :—

**“RESOLVED—**

That the time-table of tutorial work as annexed to these Proceedings be adopted.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Economics, dated the 5th December, 1919 :—

**“RESOLVED—**

That the time-table of tutorial work as annexed to these Proceedings be adopted.”



**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Philosophy, dated the 5th December, 1919 :—

**“RESOLVED—**

That the time-table of tutorial work as annexed to these Proceedings be adopted.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Pure Mathematics, dated the 5th December, 1919 :—

**“RESOLVED—**

That the time-table of tutorial work as annexed to these Proceedings be adopted.”

**RESOLVED—**

That the Proceedings be confirmed.

Read a memo. from the Director of Public Instruction, Bengal forwarding a copy of letter No. 1653, dated the 7th November, 1919, from the Officiating Secretary to the Government of Bengal, conveying sanction of Government to the transfer of services of Babu Ramaprasad Chanda, of the Subordinate Educational Service, to the Calcutta University for a period of 3 years, on a salary of Rs. 300-25-350 per month, and on contribution by the University to the Government of such amount as may be required on account of pension and leave allowances under the Foreign Service Rules.

**ORDERED—**

To be recorded.

Read a letter from the Honorary Secretaries, First Oriental Conference, Poona, informing that at the invitation of the President of the Council of Post-Graduate Teaching in Arts, the Conference decided to hold the next session in Calcutta not earlier than 1921.

**RESOLVED—**

That the following Committee be appointed to report what arrangements should be made for holding the Second Oriental Conference in Calcutta in 1921 :—

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I.

Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A.,  
Ph.D.

Prof. D. R. Bhandarkar, M.A.

Dr. I. J. S. Taraporewala, B.A., Ph.D.

Read a letter from Pandit Hargovind Dass Seth, University Lecturer in Sanskrit, requesting that leave, on urgent private affairs, for one month with effect from the 20th November, 1919, may be granted to him and stating that Pandit Muraly-dhar Banerjee, M.A., will take the classes during his absence on leave.

**RESOLVED—**

That leave on full pay be granted.

Read the following tabular statement of the results of the last M.A. and M.Sc. Examinations, forwarded by the Controller of Examinations :—

**M.A. and M.Sc. Examinations, 1919.**  
*Tabular Statement of the Results.*

Subject	No. Registered.	No. absent.	No. Actually present.	NUMBER OF PASSES			TOTAL.	No. of failures.	Percentage of success.
				1st Class.	2nd Class.	3rd Class.			
English (Group A)	270	39	231	5	51	65	121	110	52.3
English (Group B)	14	1	13	2	4	4	10	3	76.9
Sanskrit ( " A)	9	2	7	2	4		6	1	85.7
" ( " B)	1		1	1			1		100
" ( " C)	2		2	1	1		2		100
" ( " D)	3	1	2	2			2		100
" ( " E)	1		1		1		1		100
" ( " G)	1		1		1		1		100
" ( " H)	1		1		1		1		100
" ( " I)	3		3	2	1		3		100
" ( " A)	1		1	1			1		100
" ( " C)	3	1	2	1			2		100
Persian	3	1	2	1			2		100
Arabic	2	1	1	1			1		100
Comparative Philology	4	1	3	1			3		100
History	107	18	89	2	26	26	58	31	65.2
Ancient Indian History and Culture	1		1		1		1		100
Philosophy	109	10	99	4	29	31	64	35	64.65.
Economics (Group A)	56	8	48	8	16	15	39	9	81.25
" ( " B)	31	4	27	2	11	13	26	1	96.3
Pure Mathematics (M.A.)	68	10	58	20	3	8	31	27	58.45
" (M.Sc.)	60	9	51	7	9	4	20	31	39.2
Experimental Psychology (M.A.)	6		6	2	4		6		100
" (M.Sc.)	1		1	1			1		100

**ORDERED—**

To be recorded.

Read a letter from Dr. N. N. Sengupta, University Lecturer, stating that Babu Promodranjan Dasgupta, M.Sc., late Lecturer in the Department, and Babu Manoranjan Ghosh, a graduate of the Department, have presented one and five volumes of books worth Rs. 21 and Rs. 60 respectively to the Experimental Psychology Department.

**RESOLVED—**

That the donors be thanked for their gifts.

The Secretary reported that Sudhendukumar Das, who had passed the recent M A. Examination in Sanskrit (Vedanta group) in Class I, has been permitted to attend the lectures in Psychology, Logic and Special Branch of Indian Philosophy as a free student.

**RESOLVED—**

That the action taken be approved.

The Secretary reported that L. A. Gopalkrishnan, who passed the B.A. Honours Examination of the Madras University and was admitted to the University Law College (vide resolution of the Syndicate, dated the 25th July, 1919) has been permitted to join the Post-Graduate Class in Ancient Indian History and Culture.

**RESOLVED—**

That the action taken be approved.

Read an application from Ikram Rasul, a candidate for the last M.Sc. Examination in Pure Mathematics, who, owing to influenza immediately before the Examination, could not sit for more than three papers, praying that he may be permitted to appear at the aforesaid Examination next year as a University Student.

**RESOLVED—**

That the application be granted.

Read an application from Manindranath Mitra, a candidate for the last M.A. Examination in Economics, who, owing to illness, could not sit for the Examination, praying that he may be permitted to appear at the next Examination as a University student.

**RESOLVED—**

That the application be granted.

The Secretary requested sanction of extra allowance to the assistants and the menials who had to attend office during the

last Puja Vacation as is done in the case of the Registrar's and Controller's staff.

**RESOLVED—**

That the allowance be sanctioned.

Read a joint letter from Dr. Barua and Babu Sailendranath Mitra, University Lecturers, reporting that Babu Bhupatinath Tarafdar, typist in the Secretary's Office, typed 6 copies of their works, "Prakrit Dhammapada" and "Asoka's Dhamma" during Puja holidays and requesting that his labour may be rewarded.

**RESOLVED—**

That Rs. 60 be paid for the work.

Read an endorsement from Dr. Taraporewala, forwarding an application from Babu Bhupatinath Tarafdar, stating that, as per resolution of the Executive Committee, dated the 16th August, 1919, he typed in triplicate a portion of Aryan Religion from Encyclopædia in 206 pages and requesting payment for this extra work.

**RESOLVED—**

That Rs. 60 be paid for the work.

The Secretary submitted the following bills and requested the Executive Committee to sanction their payment :—

(a) A bill for Rs. 22-8 from M. K. Rahaman, book-binder, for binding 18 copies of books for the Lending Library.

(b) A bill for Rs. 42-4-6 from A. S. Khan Bros. for supplying files and envelopes for the Office of the Secretary.

(c) A bill for Rs. 79-6 from Messrs. Kar, Majumdar & Co., for supplying books in Mathematics for the Lending Library.

(d) Two bills for Rs. 77-10 and Rs. 25-8 from Messrs. Nilmoney Haldar & Co., for supplying stationery for the Office of the Secretary.

(e) A bill for Rs. 14-14 from Mr Haridas Gupta for supplying books in Sanskrit for the Post-Graduate Library.

(f) A bill for Rs. 92-8 from Mr. K. Subbia Sastrial, Trivendrum, for supplying books in Sanskrit for the Post-Graduate Library.

(g) A bill for Rs. 8-13 from the Baruya Agency for supplying books in Assamese for the Post-Graduate Library.

(h) A bill for Rs. 12-12 from Pandit Kishoredas, Brindaban, for supplying books in Sanskrit for the Post-Graduate Library.

(i) A bill for Rs. 8-9-6 from Messrs. Longmans, Green & Co., for supplying books in Singhalese for the Post-Graduate Library.

(j) A bill for Rs. 24 from the Honorary Secretary, Bangiya Sahitya Parishat, for supplying books in Bengali for the Post-Graduate Library.

(k) A bill for Rs. 6-9 from Mr. G. N. Sarma for supplying an Oriya Dictionary for the Post-Graduate Library.

(l) A bill for £1.6s. 4d. from Messrs. George Bell & Sons, Ltd., for supplying a copy of the Osborn's Men of Old Stone-Age.

(m) A bill for £3.17s. 5d. from Mr. P. C. Ghosh, for supplying books in English for the Post-Graduate Library.

(n) A bill for 33.85 cents from Mr. J. D. Fernando, Colombo, for supplying books in Singhalese.

(o) A bill for Rs. 26-4 from Sudha Dharma Mandalam, for supplying books in Sanskrit.

**RESOLVED—**

That the bills be paid.

The Secretary reported that Rs. 5-9 has been paid to the Superintendent, Jammu State, for supplying books in Sanskrit.

**RESOLVED—**

That the action taken be approved.

Read a letter from Mrs. Amal-Ul-Hafecz, widow of the late Khan Bahadur Maulavi Md. Ibrahim, requesting payment of the arrear salary of her husband as University Lecturer for the month of July and five days of August, 1919.

**RESOLVED—**

That the salary due to the deceased be paid to the applicant.

The Secretary reported that, with the sanction of the President, he had appointed Jatindranath Majumdar, as an Assistant in his department to cope with the increased work in the lending library.

**RESOLVED—**

That the appointment of Jatindranath Majumdar as an Assistant be sanctioned on a salary of Rs. 40 per month with effect from the 13th November, 1919.

Read the following statement prepared by Mahamahopadhyay Dr. Satischandra Vidyabhushan of the journey of Lama Lobzang Targye Ge-she from Lhasa to Calcutta:—

"I beg to forward herewith the arrival report of Lama Lobzang Targye Ge-she. The Lama left Lhasa on the 9th September, 1919 and

arrived here on the 14th of November 1919, via Kalimpong where on his way down he made a halt of 25 days to acclimatise himself. The Dalai Lama was pleased to grant the Lama a Pass-Port (Vide enclosures attached herewith) which enabled him to travel down to Chumbi valley almost free of cost and for which the University should render His Holiness sincere thanks. The thanks of the University should also be conveyed to Major Campbell for the alacrity and interest with which he moved the Tibetan Government to secure the services of such an eminent scholar. We are deeply indebted to the Dalai Lama for the promptitude with which His Holiness, in response to our request, selected such a distinguished scholar of the Tibetan University to fill the responsible post of Tibetan Instructor to the Calcutta University. Lama Lobzang is a Doctor of Theology of the College of Shar-che in the University of Gah-den, and is reputed to be an erudite scholar of high distinction. It is only meet and proper that we should stint neither attention nor money to make the Lama quite comfortable here.

I can not conclude this without writing a word of our sincerest thanks to the Hon'ble Justice Sir Asutosh Mukherjee, President of the Council, for indefatigable zeal with which he has been promoting the best interests of the University for that we see the Lama in our midst to-day, is due to the exertion of our much revered President.

Traveling expenses of Lama Lobzang Targya Ge-she from Lhasa (Tibet, to Calcutta.) :—

The Lama and his two attendants received all help from the people on their way from Lhasa to Chumbi valley in virtue of the Pass Port granted to him by the Government of Dalai Lama. Still he had to undergo some expenses here and there. In the territories from Chumbi valley to Kalimpong, which lie partly under the Tibetan Government and partly under the Maharaja of Sikkim and the British Government, the Lama had to purchase all necessary things. From Kalimpong to Calcutta he had entirely to depend on his own resources.

A detail of the expenditure is given below :—

The Lama and his two attendants left Tibet on the 19th day of the 7th month of Tibetan Calendar, corresponding to 9th September 1919 of Christian era. They reached Kalimpong on the 17th October and stopped there for about 25 days to acclimatise themselves. They reached Calcutta on the 14th of November, 1919.

	Rs.	ps.
On the way from Tibet to Chumbi valley -		
Tea and butter	..	15 13 0
Ment	..	5 11 0
Wheat powder	..	4 0 0
Barley flour	..	15 12 0

From Chumbi valley to Calcutta :—

While coming down from Chumbi valley they passed 3 successive days in 3 houses belonging to Marwaris for

which they had to pay rent	..	13 0
They spent one day at Gantok—		
Lodging	..	8 0
Candle	..	4 0

They spent one day at Rong-po—

The travelling expenses from Chumbi valley to Gantok including pony hire				36	0	0
Pony carrying loads from Gantok to Rong-po				4	8	0
Hire of 3 ponies from Rong-po to Kalimpong				9	0	0
Cooly hire from Rong-po to Kalimpong				2	8	0
At Kalimpong purchase of rice, barley flour, wheat powder &c.				39	0	0
Do.	do.	do.	meat, dressed vegetables	14	2	0
Do.	do.	do.	tea, butter	24	8	0
Do.	do.	do.	fuel	6	10	0
From Kalimpong to Railway Station the hire of 3 ponies				6	0	0
6 cooly hire				3	12	0
At Kalimpong the purchase of candle, tea, butter				3	8	0
The Railway fare up and down and other expenses of an interpreter from Kalimpong to Calcutta				17	5	6
Second class fare for Lama Lobzang and two third class for servants				31	15	0
The expenses for food and drink on railway journey				3	0	0
The hire of carriage from Sealdah to Toriti Bazar and also cooly hire				2	1	0

Rs. 251 10 6

#### PASS—PORT.

Whoever reside on the way from Lhasa to Chumbi valley—be they district officials, elders, or common people—must attend to this. This hand-bill (Pass—Port) is given to Lama Lobzang Targye who is going out (to India), who possesses an analytical knowledge of the meanings of both the Indian Kangyur and Tangyur and who is a Doctor of Theology of the College of Shar-che in the University of Gah-den. He should be supplied with four ponies for crossing over to each district, catables, beddings, and 3 ponies for carrying loads, an oven, fuel, a hide-boat to ferry all its passengers swiftly in one trip.

In the earth sheep Year, month date.

The big red seal of the Dalai Lama.

- (1) The Lama reached and left (recorded by the Magistrate of Ka-shod).
- (2) The Lama reached and left (recorded by the Magistrate of Chhu-shur).
- (3) The Lama reached and left (recorded by the Magistrate of Pal-bde).
- (4) The Lama reached and left (recorded by the Magistrate of Na-tse).
- (5) The Lama reached and left (recorded by the Magistrate of Phuri).

Nothing has been recorded at Chumbi valley, as on the road below that valley no help from the Dalai Lama is needed. Everything is available for money."

The Secretary reported that Lama Lobzang Targye Ge-she joined the appointment as Instructor in Tibetan on the 27th October, 1919, and requested sanction of the following payments made to him with the approval of the President :—

(a) Travelling expenses from Lhasa to Calcutta Rs. 251-10-6 ; paid on account (Executive Committee, dated the 16th August, 1919) Rs. 200. Balance Rs. 51-10-6.

(b) Salary of the two attendants of the Lama at Rs. 35 per month from 9th September to 31st October, 1919.

(c) Salary of the two attendants for the month of November, 1919. @Rs. 35.



(d) Residence and sumptuary allowance of the Lama with effect from the 14th November, 1919, at Rs. 65 per month.

RESOLVED—

That the payments be sanctioned and that, until further orders, a sum of Rs. 100 a month be paid to the Lama as residence and sumptuary allowance, in addition to the remuneration of Rs. 200 a month previously sanctioned.

RESOLVED FURTHER—

(i) That until further orders two stipends of Rs. 50 a month each tenable for two years be awarded to distinguished M.A. graduates (selected preferably from amongst those, who have taken the M.A. Degree in a Language or Philosophy or Ancient Indian History and Culture) to enable them to prosecute a regular course of studies in Tibetan under the University Instructors in their language.

(ii) That the stipends be awarded only to *bonafide* research students (not engaged in legal or other professional studies) and the continuance of the stipend be made conditional upon the periodical production of certificates of satisfactory progress in Tibetan studies from the Instructor concerned.

(iii) That Mahamahopadhyay Dr. Satishchandra Vidyabhushan be requested to draw up a programme of studies by the research students aforesaid.

RESOLVED—

That Mons. D. Mouttaraunga be requested to hold two Classes in French (Junior and Advanced) and that his remuneration be raised from Rs. 100 to Rs. 200 per month.

The Secretary requested sanction for levying a fine of one rupee on the students of the Post-Graduate Dept. who lose their cards in the Lending Library.

RESOLVED—

That the suggestion be adopted.

Read the first two instalments of the report of the Committee appointed to deal with the Report of the Calcutta University Commission.

RESOLVED—

That the Report be laid before the Council for consideration.

(Confirmed.)

ASUTOSH MOOKERJEE,

President.

H. C. MOOKERJEE,

Secretary.

# Proceedings of the Council of Post-Graduate Teaching in Arts

FOR THE YEAR 1919-20.

No. 5

THE 13TH DECEMBER, 1919.

Present :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L. D.Sc., Ph.D.,—  
*President, in the Chair.*

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| Rai Bahadur A. C. Bose, M.A.        | Babu Surendramohan Ganguli, M.Sc.,    |
| Babu Dhireschandra Acharyya, M.A.   | Babu Praphullachandra Ghose, M.A.,    |
| Dr. Gauranganath Banerjee, M.A.,    | B.Sc.                                 |
| Ph.D.                               | Mr. B. C. Ghose, M.A.                 |
| Babu Hariprasanna Banerjee, M.Sc.   | „ Satischandra Ghosh, M.A.            |
| „ Indubhushan Banerjee, M.A.        | „ Rajanikanta Guha, M.A.              |
| „ Jaygopal Banerjee, M.A.           | „ Manoranjan Gupta, M.A.              |
| Mr. J. R. Banerjee, M.A.            | Rai Bahadur B. A. Gupte, F.Z.S.       |
| Babu Manmathnath Banerjee, M.Sc.    | Mr. R. Kimura.                        |
| „ Muralydhar Banerjee, M.A.         | Rajaguru Bhagabanchandra Mahas-       |
| „ Narayanachandra, Banerjee, M.A.   | tabir.                                |
| Dr. Pramathanath Banerjee, M.A.,    | Babu Haripada Maiti, M.A.             |
| D.Sc.                               | „ Herambachandra Maitra, M.A.         |
| Babu Srikumar Banerjee, M.A.        | „ Susilkumar Maitra, M.A.             |
| Dr. Benimadhab Barua, M.A., D.Litt. | „ Bijaychandra Majumdar, B.A.         |
| Babu Satischandra Basu, M.A.        | „ Narendrakumar Majumdar, M.A.        |
| Prof. D. R. Bhandarkar, M.A.        | Dr. Rameschandra Majumdar, M.A.,      |
| Babu Haridas Bhattacharyya, M.A.    | Ph.D.                                 |
| „ Mohinimohan Bhattacharyya,        | Babu Surendranath Majumdar, M.A.      |
| M.A.                                | Mr. J. Masuda.                        |
| „ Pasupatinath Bhattacharyya,       | Maulvi Abu Musa Ahmadiul Haq.         |
| M.A.                                | Mr. Aga Md. Kazim Shirazi.            |
| „ Haranachandra Chakladar, M.A.     | Pandit Babuya Misra, Jyotishacharyya. |
| „ Niranjana Prasad Chakrabarti,     | Babu Ambikacharan Mitra, M.A.         |
| M.A.                                | „ Khagendranath Mitra, M.A.           |
| „ Prabhatichandra Chakrabarti,      | Mr. K. N. Mitra, B.A.                 |
| M.A.                                | Babu Panchanan Mitra, M.A.            |
| „ Ramaprasad Chanda, B.A.           | „ Sailendranath Mitra, M.A.           |
| „ Satischandra Chakrabarti, M.A.    | „ Bijoygopal Mookerjee, M.A.          |
| „ Nalinimohan Chatterjee, M.A.      | Dr. Harendracoomar Mookerjee, M.A.,   |
| „ Nirmalchandra Chatterjee, M.A.    | Ph. D.                                |
| „ Satishchandra Chatterjee, M.A.    | Babu Panchanandas Mookerjee, M.A.     |
| „ Rohinimohan Chaudhuri, M.A.       | Babu Jitendraprasad Niyogi, M. A.     |
| Mr. J. N. Das Gupta, B.A.           | Samana Pannananda.                    |
| Babu Nalinaksha Datta, M.A.         | Babu Hemchandra Raychaudhuri,         |
| „ Rabintramohan Datta, M.A.         | M.A.                                  |
| Bhikkhu Kukulnape Devarakshita.     | „ Debendranath Ray, M. A.             |
| Babu Sasindrachandra Dhar, M.Sc.    | „ Suhachandra Ray, M. A.              |
| Mr. P. Gangooly, M.A.               | Babu Krishnabinod Saha, M. A.         |

Mr. Surondramohan Sanyal, M. A., M. Sc.	Babu Prabodhchandra Sengupta, M. A.
„ Bejoykumar Sarkar, A.B.	Pandit Hargovinda Das Seth.
Pandit Sakalnarayan Sarma.	Samana R. Siddhartha.
Vedantabhisarad N. S. Anantakrishna Sastri.	Babu Jogisichandra Sinha, M. A.
„ Mahamahopadhyay Laksman Sastri.	Shams-ul-Ulama Vilayet Hossain.
Pandit Sitaram Sastri.	Prof. I. J. S. Taraporowala B. A., Ph. D.
Mr. Arun Sen, B. A.	Mr. Y. J. Taraporowala, B. A.
„ Mbu Bipinbihari Sen, M.A.	Mahamahopadhyay Pramathanath Tarkabhushan.
Bai Sahab Dineschandra Sen, B. A.	Pandit Krishnachandra Tarkalankar.
Babu Saileswar Sen, M.A.	Pandit Rajendranath Vidyabhushan.
„ Surondranath Sen, M.A.	Mahamahopadhyay Dr. Satischandra Vidyabhushan, M. A., Ph. D.
Mr. A. C. Sengupta, M.A.	
Dr. Narendranath Sengupta, M. A., Ph. D.	

**MAHAMAHOPADHYAY DR. SATISCHANDRA VIDYABHUSAN** moved that the Proceedings of the Executive Committee, dated the 6th December, 1919, be confirmed.

**BABU HERAMBACHANDRA MAITRA** seconded the motion which was put to the vote and carried.

The next item, which was the consideration of the first two instalments of the Report of the Committee appointed to deal with the Report of the Calcutta University Commission, was postponed by reason of the absence of Dr. Brajendranath Seal, M.A., Ph.D., Chairman of the Committee on account of indisposition.

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. MOOKERJEE,**

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Arts**

**FOR THE YEAR 1919-20.**

**No 22.**

**THE 13TH DECEMBER, 1919.**

## **Present:**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.—  
*President, in the Chair.*

Rai A. C. Bose, Bahadur, M.A.	Rai Sahob Dineschandra Sen, B.A.
Professor H. Stephen, M.A., D.D.	Mr. Girindrasekhar Bose, M.Sc., M.B.
Mahamahopadhyay Dr. Satishchandra Vidyabhushan, M.A., Ph.D.	Professor D. R. Bhandarkar, M.A.
Pandit Muralydhara Banerjee, M.A.	Mr. Bipinbihari Sen, M.A.
Dr. I.J.S. Taraporewala, B.A., Ph.D.	Dr. Pramathanath Banerjee, M.A., D.Sc.

Read the following Proceedings of the Board of Higher Studies in Comparative Philology, dated the 11th December, 1919:

## **“ RESOLVED—**

That the Board recommend that the following text-books be prescribed for the M.A. Examination in Comparative Philology, 1922.

## **COMPARATIVE PHILOLOGY, 1922.**

### **PAPER I.**

Jackson, A. V. W.	..	Philology (A pamphlet published by the Columbia University Press).
Gune, P. D.	..	Introduction to Comparative Philology (Oriental Book Supply Agency, Poona), pp. 1-159.
Sweet, H.	..	History of Language (Dent.).
Giles, P.	..	Manual of Comparative Philology (Macmillan), Paras, 1-65.
Encyclopaedia Britannica, 11th Edition.		Articles on <i>Grammar, Philology and Signifies.</i>

- Stout, G. F. . **Manual of Psychology**, 3rd Edition (London University Tutorial Press), Book IV, Chapter V.
- Tucker, T. G. . **Introduction to the Natural History of Language** (Blackie), Chapters 1, 4, to 10 and 16.
- Oertel, H. . **Lectures on the Study of Language** (Yale Uni.), Lectures 1 to 3 and 5.
- Strong, H.A., Loneman, W. S., and Wheeler, B. I. **Introduction to the Study of the History of Language** (Longmans), Chapters 1, 2, 4, 5 and 9 to 15.
- Delbruck, B. ... **Introduction to the Study of Language**, translated by Humboldt (Ginn.).
- Belvalkar, S. K. . **Systems of Sanskrit Grammar** (Oriental Book Supply Agency, Poona).
- Greenough and Kittredge **Words and their ways in English Speech** (Macmillan).

## PAPER II.

- Tucker ... Chapters 2, 3 and 12 to 16.
- Oertel ... Lecture 4.
- Strong, Logeman and Wheeler. Chapters 3 and 11.
- Noël-Armfield, G. ... **General Phonetics** (Heffer).
- Uhlenbeck, C. C. ... **Manual of Sanskrit Phonetics** (Luzac).
- Macdonnell, A. A. ... **A Vedic Grammar for Students** (Oxford), Paras, 1-69.
- Whitney, W. D. ... **Sanskrit Grammar** (Trübner), Paras, 1-260 and 591-598. (3rd ed. to be used).
- Jackson, A. V. W. ... **Avesta Grammar** (W. Kohlhammer, Stuttgart), Paras, 1-218.
- Wright, J. ... **A Comparative Grammar of the Greek Language** (Oxford), Paras, 28-232. (The portions not dealing with Sanskrit may be omitted).
- Encyclopaedia Britannica **Articles on Accent, Alphabet Phonetics and Writing.**
- Giles ... Paras, 66-115, 130-181 and 249-265.
- Clodd, E. ... **Story of the Alphabet** (Geo. Newnes).

- Majumdar, Surendranath Syllabus of a Course of Lectures on Indian Palaeography (Calcutta University).  
 Bhandarkar, D. R. *Antiquity and Origin of the Old Indian Alphabet* in Carmichael Lectures, Series, II (Calcutta University).

## PAPER III.

- Strong, Logeman and Chapters 19 and 20.  
 Wheeler.  
 Macdonnell ... Paras, 70-183.  
 Whitney ... Paras, 261-1245, except those referring to Syntax as prescribed for Paper VI.  
 Jackson ... Paras, 219-900.  
 Wright ... Paras, 233-575 ; the portions not dealing with Sanskrit may be omitted.  
 Giles ... Paras, 275-330 and 406-452.

## PAPER IV.

- Tucker ... Chapter 17.  
 Strong, Logeman and Chapters 22 and 23.  
 Wheeler.  
 Encyclopaedia Britannica Article on *Slang*.  
 Macdonnell ... As for Paper III.  
 Whitney ... Ditto.  
 Gune ... Pp. 160-222.  
 Bhandarkar, R. G. ... Wilson Philological Lectures (Mrs. Radhabai A. Sagoon, Bombay 1914), Lectures 1 and 2.  
 Chattopadhyaya, B. K.... Prākṛita Prakāśa (S. K. Lahiri, Calcutta).

Imperial Gazetteer of India Vol. II, Chapter VI.

Rhys Davids, T. W. ... Buddhist India (T. Fisher Unwin), Chapters VII-X.

Müller, E. ... Pali Grammar (Trübner).

## Paper V.

- Gune ... Pp. 223-252.  
 Bhandarkar, R.G. ... Lectures IV-VII.  
 Majumdar, B.C. ... History of Bengali Language (Calcutta University).  
 Sen, Dineschandra ... History of Bengali Language and Literature (Calcutta University Press).

- Tagore, Rabindranath ... Śabdatattva (Indian Publishing House, Calcutta).
- Trivedi, Ramendrasundara Śabdakathā (Sanskrit Press Depository, Calcutta).
- Grierson, G. A. ... The Languages of India, being a reprint of the Chapter on Languages from the Report on the Census of India, 1901. (Government Printing Press, Calcutta). (N.B.—From this book paras 1-21, 71-79 and 84-86 would be useful also for Paper I).
- Imperial Gazetteer of India Vol. II, Chapter XI.
- Encyclopædia Britannica ... Articles on Behari, Bengali, Gujarati, Hindi (Eastern), Hindi (Western), Hindustani, Marathi, Oriya, Pahari, Rajastani, Sindhi and Urdu.

*N.B.*—Books 3-6 are meant specially for those candidates whose mother-tongue is Bengali. For those who require the other languages of India, other books will be prescribed in their stead as need arises. For students whose mother-tongue is Hindi the following books are recommended :—

- Kellog ... Grammar of Hindi (Trübner).
- Greaves, Rev. E. ... Grammar of Tulsidas's *Ramayana* (Benares).
- Grierson, Sir G. A. ... Seven Grammars of the Behari Language (specially the Introduction.)

Candidates are expected to illustrate old Hindi mainly from Tulsidas's *Rāmāyana*, the poems of Surdas and Malik Md. Jāyasi's *Padmāvatī*.

#### Paper VI.

- Strong, Logeman and Wheeler ... Chapters 6-8 and 16-18.
- Morris, E. J'. ... On Principles and Methods in Syntax (Yale Uni.)
- Apte, V. S. ... A guide to Sanskrit Composition (Mrs. Radhabai A. Sagoon, Bombay.)
- Macdonell ... Paras. 184-218.

- |                                   |   |
|-----------------------------------|---|
| Whitney                           | Paras. 264-305, 486, 506, 507, 512,<br>572-582, 591-598, 776-779, 821-<br>823, 926-931, 948-950, 960, 967,<br>980-988, 994-995, 999, 1040, 1072-<br>1095, 1126-1130, 1240-1316. |
| Pischel, R.                       | Grammatik der Prakrit Sprachen<br>(Trübner), Part IV.   |
| Giles                             | Paras. 331-342 and 539-600.   |
| Sen, Dineschandra                 | As for Paper V.   |
| Majumdar,                         | As for Paper V.   |
| For Hindi Students as in Paper V. |   |

(Books for other languages of India will also be prescribed instead of the last two as need arises.)

PAPER VII.

- |                         |     |   |
|-------------------------|-----|---|
| Tucker                  | ... | Chapter II.   |
| Encyclopædia Britannica |     | Article on <i>Iryan</i> .                                 |
| (Ninth Edition)         |     |   |
| Encyclopædia Britannica |     | Articles on <i>Pahlavi</i> , <i>Persia</i> , <i>Zend-</i> |
| 11th Edition).          |     | <i>Avesta</i> and <i>Zoroaster</i> .                      |
| Haug, M.                |     | Essays on the Religion of the Parsis                      |
|                         |     | (Trübner).  |
| Jackson                 | ... | Introduction to <i>Avesta Grammar</i> .                   |
| Hastings' Encyclopædia  |     |   |
| of Religion and Ethics. |     | Article on <i>Aryan Religion</i> .                        |
| Macdonnell, A.A.        | ... | Vedic Mythology (Trübner).                                |
| Kanga, K. E.            | ... | Khordeh Avestā bā Māeni (Bombay),                         |
|                         |     | and Gūthā bā Māeni (Bombay).                              |

**Avesta, Pahlavi and  
Ancient Persian  
Studies (in honour of  
the late Shams-ul-  
Ulama Dastur Pesho-  
tanji Behramji San-  
jana).**

## Chapters I and IV.

- Bertin, G. ... Languages of the Cuneiform Inscriptions (Trübner), Part V.  
**Avesta and Old Persian Texts** (*First Series.*)  
 Ashem Vohū, Yathā Ahū Vairyō, Kem Nā Mazdā.  
 Yasna: IX; XII; XXVI, LIV, LVII and LX,  
 Gathas: XXVIII; XXIX; XLIV; XLVII, 1; LI, 1 and  
 LIII, 1;  
 Vendidad; II, 22-35: IV, 1-16, 44-49; VII, 36-44; X,  
 16-29; and XIX, 1-9, 15-16, 27-33;  
 Behistun Inscription: Column I.  
**Avesta and Old Persian** (*Second Series.*)



Ashem Vohū, Yathā Ahū Vairyō, Vispa Humata, Namaskār of the Four Quarters and the Final Passage of all Afringāns ;

Yasna : II, XX, and Haptanghāiti (XXXV-XLII) ;

Yasts : Gosh, Sirozā II and Vistāspa ;

Gāthās XXX ; XXXI ; XXXIII, 12-14 ; and LI ;

Visparad, XV :

Vendidād : III, 23-29 ; VI, 44-51 ; VII, 36-44 ; XVIII, 1-7, 14-28 ; and XXI ;

Behistun Inscription : Column IV.

(N.B.—The two series of Avesta and old Persian Texts are to be taken alternately year by year beginning with the *First series* in 1921. Thus for odd years the *First series* is to be taken and for even years to the *Second series*.)

#### PAPER VII (*Alternative*).

- |                         |     |   |
|-------------------------|-----|---|
| Caldwell, R.            | ... | Comparative Grammar of the Dravidian Languages, 3rd Edition (Kegan Paul). Introduction.   |
| Grierson, G. A.         | ... | Linguistic Survey of India, Vols. I, II, III and IV. Introductions only.  |
| Hoffmann, J.            | ... | Mundari Grammar (Government Press, Calcutta). Introduction.   |
| Encyclopædia Britannica |     | Articles on <i>Brahui</i> , <i>Dravidian Languages</i> , <i>Kanarese</i> , <i>Malayalam</i> , <i>Mundas</i> , <i>Tamil</i> , <i>Telugu</i> , and <i>Tibeto-Burman</i> . |
| Aiyangar, M. Srinivasa  | .   | Tamil Studies, 1st series (Guardian Press, Madras), Chapters 1-3, 6-8 and 12.   |
| Kittle                  | ... | Kannada Dictionary (Basel Mission Press, Mangalore). Introduction.  |
| Konow, S.               | ... | Article on <i>Dravidian Philology</i> in Indian Antiquary, 1903.  |

The following books may be consulted with advantage for the various papers :—

#### PAPER I.

- |                 |     |   |
|-----------------|-----|---|
| Stout, G. F.    | ... | Analytical Psychology (Geo. Allen), Vol. II, Chap. X.                               |
| Goldstücker     | ... | Pāṇini (Reprint by Panini Press, Allahabad).  |
| Wackernagel, J. | ... | Altindische Grammatik, Vol. I. (Vandenhoeck und Ruprecht, Göttingen). Introduction. |

- Whitworth, G. C. ... Indian English (Garden City Press  
Letchworth).
- The King's English ... (Oxford, 2nd edition).
- Noiré, L. ... On the Origin of Language and the  
Logos theory (Open Court Pub-  
lishing Co., Chicago).
- Jespersen, O. ... Progress in Language (Sonnen-  
schein).
- Bechtel, F. ... Die Hauptprobleme der indoger-  
manischer Lautlehre seit Schlei-  
cher (Göttingen, 1902).
- Brugmann, K. ... Kurze vergleichende Grammatik der  
indogermanischen Sprachen  
(Trübner, Strassburg).
- Douzat, A. ... La Philosophie du Langage (Ernest  
Flammarion, Paris). La vie du  
Langage (Armand Colin, Paris).
- Lefèvre, A. ... Race and Language (International  
Scientific Series, London).
- Max Müller, F. .. The Science of Language (2 vols.)  
(Longmans). (This though very  
readable has to be used with cau-  
tion as it represents an antiquated  
view of the science.)  
Three Lectures on the Science of  
Language (Open Court Publish-  
ing Co., Chicago).
- Meillet, A. .. Les Dialectes Indo-Européens  
(Ancienne Honoré Champion,  
Paris).  
Introduction à l'Etude Comparative  
des Langues Indo-Européens  
(Hachette, Paris).
- Paul, H. . Prinzipien der Sprachgeschichte  
(Max Niemeyer, Halle a. S.).
- Prozezinski, V. . Einleitung in die Sprachwissenschaft  
(Trübner, Leipzig).
- Sayce, A. H. . Introduction to the Science of Lan-  
guage (2 vols.) (Trübner).  
Principles of Comparative Philology  
(Trübner).
- S. C. Vidyabhushana . Summary of Tattwa Chintamani  
(Sadbakhandha) (J. A. S. B.).

- Whitney, W. D. ... *Language and its Study* (Trübner).  
*Life and Growth of Language*  
 (Trübner). *Oriental and Lin-*  
*guistic Studies, 1st Series* (Scrib-  
 ners, New York), VII-XIII.
- Wundt, W. ... *Sprachgeschichte and Sprachpsycho-*  
*logie* (Wilhelm Engelmann,  
 Leipzig).
- Darbishire, H. D. ... *Reliquæ Philologicæ* (Cambridge).  
 Edmonds, J. M. ... *Comparative Philology* (Cambridge).  
 Bhandarkar ... *Commemoration Volume* (*Oriental*  
*Book Supply Agency*), *Essays* 29  
 and 31.
- Breal, M. ... *Semantics* (trans. by Mrs. Cust ;  
 Heinemann).
- Wylde, H. C. ... *Historical Study of the Mother*  
*Tongue* (John Murray), Chaps.  
 I—X.
- Classen, E. ... *History of the English Language*  
 (Macmillan).

## PAPER II.

- Mott, F. W. ... *The Brain and the Voice in Speech*  
*and Songs* (Harper)
- Thumb, A. ... *Handbuch des Sanskrit* (Karl Winter,  
 Heidelberg), Paras. 1-218.
- Viëtor, W. ... *Elements of Phonetics* ; translated  
 and adapted by Walter Rippmann  
 (Dent).
- Whitney, W. D. ... *Oriental and Linguistic Studies, 2nd*  
*series* (Scribners)
- Darbishire ... *Pt. II, 4-6.*  
 Gray, L. ... *Indo-Iranian Phonology* (Columbia  
 University Press).
- Hirt, H. ... *Der indogermanische Ablaut.*  
*Der indogermanische Akzent*  
 Trübner, Strasburg).
- Jespersen, O. ... *Lehrbuch der Phonetik* (Trübner,  
 Leipzig).
- Meringer, R. ... *Indogermanische Sprachwissenschaft*  
*(Sammlung Götschen, Leipzig).*
- Reichelt, A. ... *Avestisches Elementerbuch* (Kar  
 Winter, Heidelberg), Paras  
 31-179.
- Taylor, I. ... *The Alphabet* (2 vols).  
 Wackernagel ... *Vol. I.*

Wechseler	...	Gibt es Lautgesetze? (Halle a.S.)
Encyclopædia Britannica		Articles on <i>Chinese Language</i> , <i>Cuneiform</i> , and <i>Egyptian Language</i> .
Giles Herbert	...	China and the Chinese (Columbia University Press), Chapter I.
Macdonnell	...	Vedic Grammar, specially the treatment of the Accent.

## PAPER III.

Thumb	...	Paras. 219-64.
Bartholomæ Chr.	...	Handbuch der altiranischen Dialekte (Breitkopf & Härtel, Leipzig).
Reichelt	...	Paras. 180-411.

## PAPER IV.

Pischel, R.	...	Grammatik der Prakrit Sprachen (Trübner, Strassburg).
Basu, C. C., and Kar, L. M.		Asoka Anusāsana (Metcalf Printing Works, Calcutta).
Francke, R. O.	...	Pali und Sanskrit (Trübner).
Bhandarkar Commemoration Volume.		Essay 11.
Bahechardas Jivraj	...	Prākṛita Mārgopadeśikā (Dharmabhyudaya Press, Benares).
Grierson, G. A.		Linguistic Survey of India; Introductions to the various volumes on the Aryan Languages of India.
Beames, J.	...	A Comparative Grammar of the Modern Aryan Languages of India (Trübner).
Hoernle, R. H.	...	A Comparative Grammar of the Gaudian Languages (Trübner).

Besides the above, special Grammars and texts of the various Languages of India may be consulted, such as Kellogg for Hindi, St. Clair Tisdall for Gujarati, Navalkar for Marathi, Trumpp for Sindhi, etc.

## PAPER VI.

Beames		As for Paper V.
Thumb		Paras. 646-700.
Speijer, J. S.		Sanskrit Syntax (Leyden). Sanskrit und Vedische Syntax Trübner, Strassburg).

## PAPER VII.

Schrader, O.	...	Die Indogermanen (Quelle and Meyer, Leipzig).
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- Sprachvergleichung und Urgeschichte (Jena). This has also been translated into English by Jevons under the title "Prehistoric Antiquities of the Aryan Peoples."
- Hirt, H. ... Die Indogermanen (2 vols.) (Trübner, Strasburg).
- Kaegi, A. ... Der Rigveda (Trübner). Also translated into English.
- Max Müller, F. ... Comparative Mythology (2 vols.) (Longmans). Biographies of words and the Home of the Aryas (Longmans).
- Taylor, I ... Origin of the Aryans (Walter Scott).
- Whitney, W.D. ... Oriental and Linguistic Studies 1st and 2nd Series (Scribner).
- Darbishire ... Pt. I, 1, (6) and Pt. II, 2, (β).
- Bhandarkar Commemoration Volume. Essays 3, 7 and 8.
- Tilak, B.G. ... Orion (Reprint by Ashtekar and Co., Poona, 1916). The Arctic Home in the Vedas (Ramchandra Govind, Bombay).
- Haddon, A. C. ... The Wanderings of Peoples (Cambridge).
- Bartholomæ Chr. ... As for Paper III.
- Darmesteter, J. ... The Zend Avesta, Part I. (Sacred Books of the East), Introduction.
- Tolman, H. C. ... Ancient Persian Lexicon. Cuneiform Supplement (American Book Co., New York).
- Jackson, A.V.W. ... Zoroaster. Persia, Past and Present (The Macmillan Co., New York).
- Moulton, J. H. ... Early Zoroastrianism; Hibbert Lectures 1912 (Williams and Norgate).

#### PAPER VII (*Alternative*)

- Hodgson, B ... Essays on the Languages Literature and Religions of Nepal and Tibet (London).

- Arden, A. S. ... Progressive Grammar of the  
Telugu Language (S.P.C.K.  
Press, Madras).  
Vinson, J. ... Grammaire Tamoule."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Philosophy, dated the 13th December, 1919:

**"RESOLVED—**

That the following books be recommended for the M.A. Examination in 1922 in Mental and Moral Philosophy.

**MENTAL AND MORAL PHILOSOPHY.**

1922.

*Paper I.—History of Ancient European Philosophy.*

The following books are recommended :—

- |           |     |   |
|-----------|-----|---|
| Ueberweg  | ... | History of Philosophy                                 |
| Caird     | ... | Development of Theology in the<br>Greek Philosophers. |
| { Zeller  | ..  | Plato   |
|           |     | or  |
| { Zeller  | ... | Aristotle   |
|           |     | or  |
| { Gomperz | ..  | Greek Thinkers, Vol. IV.                              |
| Burnett   | ... | Early Greek Philosophy.                               |
| Adams     | ..  | Religious Teachers of Greece.                         |
| Bakewell  | ..  | Sourcebook in Ancient Philosophy<br>(Scribner).       |

Students will be expected to have a special knowledge of the system of Plato or Aristotle and to show an acquaintance with the following special texts:

Either Plato's Republic or Aristotle's Metaphysics.

*Paper II.—Medieval and Modern European Philosophy.*

The following books are recommended :—

- |         |     |   |
|---------|-----|---|
| Erdmann | ... | History of Philosophy, Vol. II,               |
|         |     | or  |
| Adamson | ..  | Development of Modern Philosophy.             |
| De Wulf | ... | Scholastic Philosophy.                        |
| Ditto   | ... | History of Medieval Philosophy<br>(Longmans). |
| Rand    | ... | Modern Classical Philosophers<br>(Constable). |

- Perry . . . Present Philosophical Tendencies.  
 Hume . . . Inquiry concerning Human Understanding.  
 Watson . . . Philosophy of Kant as contained in extracts from his own writings.

*Paper III.—Outlines of Indian Philosophy.*

The following books are recommended :—

- Max Müller . . . Six Systems of Indian Philosophy.  
 Deussen . . . Philosophy of the Upanishads.  
 Rhys Davids . . . Indian Buddhism (Hibbert Lectures).  
 Madhavacharyya . . . Sarvasamgraha (Cowell and Gough). | Charvaka, Bauddha, Arhata, Ramanuja, Vaiseshika, Nyaya, Sankhya and Patanjala Systems. |  
 Sankar . . . Commentary on the Vedanta Sutras, Second Adhyaya, Padas I and II only (Thibaut).  
 Ramanuja . . . Commentary on the Vedanta Sutras, Introduction and the first Sutra, Pada I Adhyaya I.  
 Seal, B. N. . . Positive Sciences of the Hindus | Chapters I (pp. 1-56), VI (pp. 218-219), and VII].

Urquhart-Pantheism and the value of Life.

*Papers IV—VI—(i) Psychology.*

Preparatory Reading.

- Macdougall . . . Physiological Psychology.

The following books are recommended :—

- James . . . Principles of Psychology.  
 Wundt . . . Outlines of Psychology.  
 Stout . . . Analytic Psychology.  
 Lloyd Morgan . . . Comparative Psychology.  
 Külpe . . . Outlines of Psychology.  
 Villa . . . Contemporary Psychology.  
 Rand . . . Classical Psychologists.  
 Ward . . . Psychology.

*(ii) Logic.*

Students are allowed to take up any *one* of the following two alternative course in Logic :—

- (a) Logic as Epistemology and Inductive Logic or Methodology.  
 (b) Logic as Metaphysics and Dialectic.

The following books are recommended :—

(a) *Logic as Epistemology or Methodology.*

Lotze	Logic.
Bosanquet	Logic.
Mill	System of Logic.
Hobhouse	Theory of Knowledge.
Venn	Imperial Logic.
Jevons	Principles of Science.
Keynes	... Formal Logic.

Encyclopædia of the Philosophical Sciences, Vol. I, Logic (Macmillan).

(b) *Logic as Metaphysics and Dialectic.*

Kant	Critique of Pure Reason.
Fichte	The Science of Knowledge, translated by A. E. Troeger, with a preface by W. T. Harris. (Trübner & Co.)
Wallace	... "Logic of Hegel" and "Prolegomena."
McTaggart	... Studies in Hegelian Dialectic.
Lotze	... Metaphysics.

(iii) *Ethics and Social Philosophy.*

The following books are recommended :—

Green	Prolegomena to Ethics.
Sidgwick	Methods of Ethics and Short History of Ethics.
Wundt	Ethics.
Kant	Theory of Ethics (Abbot).
Sterrett	Ethics of Hegel.
Herbert Spencer	Principles of Sociology, Vols. I and II (Political Institutions only).
Gidding	Principles of Sociology.
Lester Ward	Dynamic Sociology, Vols. I and II.
Rand	Classical Moralists.

Students will be expected to show an acquaintance with either of the following texts :—

Aristotle's *Ethics* or Spinoza's *Ethics*.

(iv) *Philosophy of Religion.*

The following books are recommended :—

Lotze	... Outlines of the Philosophy of Religion.
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Hegel	...	Philosophy of Religion (Spiers and Sanderson), Part I.
Pfleiderer	...	Philosophy and Development of Religion, Vol. I (Gifford Lectures).
Royce	...	The World and Individual (both series).
Ward	..	Realm of Ends (Pluralism and Theism).
Do.	.	Agnosticism and Naturalism.
Pringle Pattison	..	Idea of God (Gifford Lectures).
Sorley	...	Idea of God.

(r) *Special Branch of Indian Philosophy.*

Any one of the three following groups :—

(1) The Nyaya Sutas of Gautama with Bhashya of Vatsyayana.

Vartika of Udyotkara and Vritti of Visvanatha.

The Bhasha-Parichehveda with Siddhanta Muktavali.

The Kusumanjali of Udayana with commentary.

(2) The Sankhya Karika of Isvarakrishna with Sankhya Tattvakaumudi of Vachaspati Misra.

The Sankhya Sutas with Sankhya Pravachana Bhashya of Vijnanabhikshu.

The Vedanta Paribhasa.

The Hastamalaka with commentary.

The Advaita Brahma Siddhi.

Sankara's commentary on the Vedanta Sutas (the first four Sutas and Adhyay II, Padas I and II).

Ramanuja's commentary on the Vedanta Sutas (Introduction and the first four Sutas).

(3) The Sutas of Kanada with Bhashya of Prasastapada and Nayakandali of Sridhara.

The Bhasha-Parichehveda with Siddhanta Muktavali.

Nagarjuna's Madhyamika Karika with commentary.

The Nyayavindu with commentary.

The Secretary requested that arrangements might be made for the work originally assigned to Dr. Prabhu Datt Shastri, M.A., B.Sc., Ph.D., who resigned his appointment as a University Lecturer in Mental and Moral Philosophy with effect from the 4th November, 1919.

RESOLVED—

That the work be assigned to Dr. Seal and Babu Satishchandra Chatterjee during the remainder of the current session."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Experimental Psychology, dated the 13th December, 1919:

**“RESOLVED—**

That the following books be recommended for the M.A. and M.Sc. Examinations, 1922 :—

**M.A. AND M.Sc. EXAMINATIONS.**

1922.

**EXPERIMENTAL PSYCHOLOGY.***Paper I Physiological Psychology.*

Lickley	The Nervous System.
Greenwood	Physiology of the Special Senses (Selections).
Wundt	Physiological Psychology (Selections).
Ziehen	Physiological Psychology.
Titchener	Text Book of Psychology.
Myers	Text Book of Experimental Psychology.
Kulpé	Outlines of Psychology.
Wundt	Outlines of Psychology.
James	Principles (Selections).
Stout	Analytic Psychology (Selections).
Ladd and Woodworth	Elements of Physiological Psychology (Selections).
Rand	... Classical Psychologists.

*Paper II—Abnormal Psychology.*

Mercier	... Text Book of Insanity.
Binet	... Alternations of Personality.
Sidis	... Psychology of Suggestion.
Sidis and Goodhart	... Multiple Personality.
Prince	... Dissociation of Personality.
Do.	... The Unconscious.
Jung	... Analytical Psychology.
Freud	... Interpretations of Dreams.
Do.	... Hysteria and other Psychoneurosis.
Hitschmann	... Freud's Theory of Neurosis.

*Paper III.—Animal Psychology.*

Holmes	... Evolution of Animal Intelligence.
Lloyd Morgan	... Comparative Psychology.

Washburn	...	Animal Mind.
Thorndike	...	Animal Intelligence (Selections).
Loeb	...	Comparative Anatomy of the Brain and Comparative Psychology (Selections).
Romanes	..	Animal Intelligence.
Hobhouse	...	Mind in Evolution.

*Paper IV—Child Psychology.*

Tredgold	...	Mental Deficiency.
Preyer	..	Mind of the Child, 2 vols.
Pyle	...	Educational Psychology.
Froebel	..	The Education of Man.
Montessori	...	Handbook.
Thorndike	...	Educational Psychology. (Briefer course).
Tracy	...	Psychology of Childhood.

**Practical work—**

Myers	...	Text Book of Experimental Psychology, Vol. II.
Titchener	..	Student's Manual—Qualitative and Quantitative.
Sanford	..	Experimental Psychology.
Whipples	..	Physical and Mental tests."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in History, dated the 13th December, 1919:

**"RESOLVED—**

That the following courses be recommended in the History of the Mahrattas and the History of the Sikhs :

**M.A. EXAMINATION 1922.**

**HISTORY OF THE MAHRATTAS.**

\*Grant Duff—History of the Mahrattas.

Kincaid and Parasnis—A History of the Maratha people.

Sarkar—Shivaji and His Times.

\*Ranade—Rise of the Maratha Power Vol. 1.

\*Forrest—Selections from Bombay records—Mahratta series.

\*Owen—Selections from Wellesley's Despatches.

\*Owen—Selections from Wellington's Despatches.

\*Malcolm—Memoir of Central India.

\*Franklin—Shah Alum.

\*Elphinstone—Official writings of Mounstuart Elphinstone Forrest.

\*Ranade—Introduction to the Peshwas' Diaries.

\*Ranade—Currencies and Mints under Mahratta Rule.

Keene—Fall of the Moghul Empire.

\*Documents and Extracts relating to Maratha History Vol. 1. Shivaji by S. N. Sen (Calcutta University).

#### WORKS OF REFERENCE.

Chitnis Bakhar.

The Peshwas Diaries selected by R.B. Wad 9 Vols.

Rajwade—Marattyancha Itihasanchi Sadhanen 23 Vols.

Kihare-Aitihasik Lekha Sangraha 10 Vols.

Elliott—History of India.

Forista—History of the Deccan tr. Scott.

W.H. Tone—Institutions of the Mahrattas (Annual Register 1719).

Aitchison—Treaties.

#### HISTORY OF THE SIKHS.

Cunningham—History of the Sikhs.

Macgregor—History of the Sikhs.

M. Latif—History of the Punjab.

Wilson—Religious Sects of the Hindus.

Maccauliffe—The Sikh Religion

Gokulchandra Narang—"The Transformation of Sikhism."

Khazan Singha—History and Philosophy of the Sikh Religion.

Lepel Griffin—Ranjit Singh (Rulers of India Series).

Baird—Private Letters of the Marquess of Dalhousie.

Despatches of Lord Gough.

Despatches of Lord Hardinge.

Gough and Innes—The Sikhs and the Sikh Wars.

C. Wade—"Our Relations with the Punjab."

Prinsep—Origin of the Sikh Power in the Punjab.

Malcolm—Sketch of the Sikhs.

Osborn—Court and Camp of Runjeet Singh.

Aitchison—Treaties.

#### RESOLVED 'FURTHER—

That arrangements be made for the preparation and publication of source books in History of the Mahrattas, History of the Sikhs and History of the Rajputs, containing extracts from original documents and other authorities."

#### RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Indian Vernaculars, dated the 10th December, 1919:

**“ RESOLVED—**

That Babu Hemantakumar Sarkar, M.A., (Gold Medallist, 1919), be appointed Instructor in Bengali for the remainder of the current session on an allowance of Rs. 25 per month.”

**RESOLVED—**

That the Proceedings be confirmed.

Read a programme for Tibetan Studies by Mahamahopadhyay Dr. Satischandra Vidyabhushan.

**RESOLVED—**

(i) That the following course be prescribed for research students in Tibetan :

Lama Wangdan.

and

Mahamahopadhyay Dr. S. C. Tibetan Primer, Parts  
Vidyabhushan. I and II (Bengal Secretariat Press).

Jaschke

... Tibetan Grammar.

Hannah

... Tibetan Grammar.

(ii) That the two stipends for research students in Tibetan (Executive Committee, dated 6th December, 1919) be awarded to the undermentioned graduates :

Babu Satkari Mookerjee, M.A. (Gold Medalist 1918).

Babu Rasamay Bhattacharyya M.A. (Gold Medalist 1919).

The Secretary reported that on the recommendation of Dr. Stephen, Babu Joygopal Banerjee, Babu Saileswar Sen and Babu Srikumar Banerjee, Rabindranath Baral, a student of the 6th-year Class in English has been granted free-student-ship on ground of indigent circumstances with effect from December, 1919.

**RESOLVED—**

That the action taken be approved.

Read memo. from the Director of Public Instruction, Bengal, forwarding a copy of letter No. 14422 F., dated the 2nd December, 1919 from the Under Secretary, Government of Bengal, conveying sanction of Government to the payment of a Superannuation pension of Rs. 90-1 a month to Dr. Syamadas Mukerji, University Lecturer in Pure Mathematics, with effect from the 16th June, 1919.

**ORDERED—**

To be recorded.

The Secretary submitted an estimate for Rs. 1540 for printing Mr. H. B. Hannah's work, "The Past Unveiled"

at the University Press in an edition of 500 copies for the benefit of the Post-Graduate students.

RESOLVED—

That the estimate be sanctioned and 500 copies of the work be printed.

The President stated that steps should be taken forthwith to place the collection of Bengali manuscripts in charge of a special officer and to have them properly catalogued.

RESOLVED—

That Babu Basantaranjan Ray (at present University Instructor in Bengali) be placed in charge of the manuscripts and be employed to catalogue them (in addition to his present duties) on a consolidated salary of Rs. 100 a month with effect from 1st January next.

The Secretary submitted bill for £2. 15s. 9d. from Messrs. W. Heffer and Sons, Ltd., Cambridge, for supplying the following books for the benefit of the students of the German Class of Dr. Taraporewala (prices to be paid by the students; Executive Committee, dated the 9th September, 1919) and requested that the price of each of the volumes may be fixed by the Executive Committee:—

		£.	s.	d.
2	Copies Atkins, Skeleton of German Grammar. (a) 2s.	0	4	0
10	„ Hauff, Das Bild des Kaisers. (a) 3/6	1	15	0
3	„ Natham der Weise. (a) 4/6		13	6
	Postage		3	3

---

£2-15-9

RESOLVED—

That the bill be paid and the books supplied to students at cost price.

The Secretary submitted a bill for £1. 14s. 8d. from the Times London Limited, being the subscription to the “Times” with Literary Supplement from September to December, 1919.

RESOLVED—

That the bill be paid.

Read the following scheme for a Provident Fund for University Teachers drawn up by the Hon'ble the President :—

“(1) That a Provident Fund be established, to be called the University Teachers' Provident Fund.

(2) That all Professors, Lecturers, Assistant Professors, Demonstrators and other Assistants, may, at their choice, become Members of the Fund :

Provided that without the special order of the Senate, no one shall be entitled to become a Member of the Fund (a) who is not a whole-time Officer of the University, or, (b) who is in receipt of a pension, or, is entitled to pension, gratuity or other retiring allowance by reason of his services having been transferred by the Government or other authority to the University or by reason of the terms of his employment under the University.

(3) That a person who has once joined the Fund shall not be at liberty to withdraw from his membership so long as he continues to be an Officer of the University, in the capacity of a Professor, Lecturer, Assistant Professor, Demonstrator or Assistant.

(4) That every Member of the Fund shall, with effect from the first day of the month following the month in which he has joined the Fund, contribute to the Fund month by month one-twentieth of his monthly salary. This shall be known as the Member's Contribution, and shall be supplemented month by month by an equal amount from the University Fund, called the University's contribution.

(5) That the aggregate amount of the Member's contribution and the University's contribution shall be invested in such manner as the Board of Management, constituted as hereinafter specified, may from time to time determine.

(6) That every Member shall, on the termination of his service under the University, be paid the total amount standing to his credit in the Fund, exclusive of the Member's contribution, the University's contribution and interest on both these sums. The interest shall be calculated on each sum from the first day of the quarter following that in which such sum is paid:

Provided that if a Member resigns his appointment on any ground other than proved ill-health before the expiry of two years from the date of his appointment as Professor, Lecturer, Assistant Professor, Demonstrator or Assistant, or if any such person is at any time dismissed by the Senate for misconduct, he shall be entitled to a refund only of the Member's contribution with interest, and shall forfeit all claim upon the University's contribution and interest thereon :

Provided also that if a Member of the Fund dies while in the service of the University, his nominee, or if he has omitted to communicate to the University any nomination in writing in this behalf, his legal representatives will be entitled to the whole of the amount standing to his credit in the Fund irrespective of the length of his service under the University :

Provided further that a Member, while on leave, may subscribe during his leave; but he must notify his intention to continue or not to subscribe before he goes on leave; if he has once decided to continue or discontinue during leave, he shall not be permitted to change his decision.

(7) That the management of the Fund shall be entrusted to a Board constituted as follows :

Presidents and Secretaries of the Councils of Post-Graduates Teaching in Arts and Science.

Two Members of the Fund, who shall be University Teachers in Arts, elected annually by the Council of Post-Graduate Teaching in Arts.

Two Members of the Fund, who shall be University Teachers in Science, elected annually by the Council of Post-Graduate Teaching in Science.

The Secretaries shall alternately act as Secretary to the Fund.

Vacancies on the Board, due to death, retirement or resignation, shall be filled up by election by the Body concerned.

(8) The Proceedings of the Board of Management shall be duly recorded and shall, after they have been considered by the Executive Committees of the Councils, be laid before the Senate for confirmation.

(9) Payments shall be made only on the authority of a resolution to that effect by the Board of Management confirmed by the Senate. All cheques shall be signed by the Registrar of the University and countersigned by a Member of the Board of Management.

A separate Fund shall be constituted under the designation of the University Teachers' Provident Fund.

A separate account shall be kept in the books of the Fund, in respect of each Member, showing the Member's contribution and interest thereon, and the University's contribution with interest thereon. Every Member shall be annually supplied with a copy of his separate account.

(10) These Rules may be altered from time to time by the Senate, on the recommendation of the Board of Management, but not so as to prejudice in any way the position of any Member who have joined the Fund previously to such alteration.

Provided that the Board of Management shall ascertain the views of the Members of the Fund upon any proposed alteration



in Rules, the before the change is recommended to the Senate for adoption."

RESOLVED—

That the scheme be approved."

(Confirmed)

ASUTOSH MOOKERJEE,

*President.*

H. C. MOOKERJEE,

*Secretary*

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# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science.**

FOR THE YEAR 1918-19

**No. 7.**

THE 18TH JANUARY, 1919.

*(In circulation).*

Read the following Proceedings of the Board of Higher studies in Applied Mathematics, dated the 2nd January, 1919:—

“The Board proceeded to nominate Examiners (Internal and External) for the M.A. and M.Sc. Examinations, 1919.

**RESOLVED—**

That the Board recommend that the Board of Examiners for the M.A. and M.Sc. Examinations, 1919 be constituted as follows :—

## **INTERNAL EXAMINERS.**

Prof. Sudhansukumar Banerjee, D.Sc.

Babu Nalinimohan Bose, M.Sc.

„ Satyendranath Bose, M.Sc.

„ Saradaprasanna Das, M.A.

„ Bibhutibhushan Datta, M.Sc.

„ Siteschandra Kar, M.A.

„ Karunamay Khastgir, M.Sc.

Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.

Babu Meghnad Saha, M.Sc.

„ Nikhilranjan Sen, M.A.

„ Hemchandra Sengupta, M.A.

## **EXTERNAL EXAMINERS.**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A.  
D.L., D.Sc., Ph.D.

The Hon'ble Mr. R. P. Paranjpye, M.A.

Prof. C. E. Cullis, M.A., Ph.D.

Prof. C. V. Raman, M.A.

**Rai Bahadur Abinashchandra Bose, M.A.**

**Mr. B. M. Sen, B.A., M.Sc.**

**Lt.-Col. Lennox Cunningham, M.A.**

**Dr. Ganes Prasad, M.A., D.Sc.**

Mr. Phanindralal Ganguli, M.A.

The Board next proceeded to recommend text books for the M.A. and M.Sc. Examinations for the years 1920 and 1921.

**RESOLVED—**

That the following books be recommended for the M.A. and M.Sc. Examinations in Applied Mathematics for the years 1920 and 1921 :—

1. Advanced Statics, including Theory of Potential—  
Minchin ... Statics.  
Routh ... Statics.
2. Dynamics of a Particle—  
Besant ... Dynamics.  
Routh ... Dynamics of a Particle.
3. Rigid Dynamics—  
Routh ... Elementary Rigid Dynamics.
4. Hydrostatics, including Capillarity—  
Besant and Ramsey Hydromechanics, Part I (Hydro-statics).
5. Hydrodynamics—  
Houstoun ... Mathematical Physics, Chapter II.  
Besant and Ramsey Hydromechanics, Part II.  
Lamb ... Hydrodynamics.
6. Spherical Astronomy—  
Ball ... Spherical Astronomy.
7. (a) Theory of Elasticity—  
Love ... Theory of Elasticity, 2nd edition.  
Candidates are also recommended to refer to—  
Todhunter and Pearson History of Theory of Elasticity.
- (b) Advanced Dynamics—  
Whittaker ... Analytical Dynamics.  
A. C. Webster ... Dynamics.  
Routh ... Advanced Rigid Dynamics.  
Hertz ... Principles of Mechanics.
- (c) Higher Parts of Spherical Astronomy—  
Chauvenet ... Spherical Astronomy.  
Newcomb ... Spherical Astronomy.
- (d) Lunar and Planetary Theories—  
Adams ... Lectures on Lunar Theory.  
Darwin ... Lectures on Lunar Theory  
(Scientific Papers, Vol. V).

- |         |     |                      |
|---------|-----|----------------------|
| Airy    | ... | Mathematical Tracts. |
| Brown   | ... | Lunar Theory.        |
| Cheyne  | ... | Planetary Theory.    |
| Moulton | ... | Celestial Mechanics. |
| Plummer | ... | Dynamical Astronomy. |
- (e) Figure of the Planets—
- |                  |     |  |
|------------------|-----|--|
| Todhunter        | ... | History of the Theory of Attraction and the Figure of the Earth. |
| Thomson and Tait | ... | Natural Philosophy.  |
| Airy             | ... | Mathematical Tracts.   |
| Airy             | ... | Figure of the Earth. (Enc. Metr.)                                |
| Clark and Radau  | ... | Figure of the Earth. (Enc. Britt.)                               |
| Pratt            | ... | Figure of the Earth.   |
- (f) Theory of Tides—
- |        |     |                                       |
|--------|-----|---------------------------------------|
| Basset | ... | Hydrodynamics.                        |
| Love   | ... | Geodynamics.                          |
| Airy   | ... | Tides and Waves. (Enc. Metr.)         |
| Darwin | ... | Tides and Kindred Phenomena (Murray). |
| Darwin | ... | Tides. (Enc. Britt.)                  |
| Darwin | ... | Scientific Papers:—                   |
1. The Tides. (Vol. IV. pp. 185-263.)
  2. The Dynamical Theory of the Tides. (Vol. I, pp. 347-365.)
  3. The Dynamical Theory of the Tides of Long Period. (Vol. I, pp. 365-371.)
  4. On the Correction to the Equilibrium Theory of Tides for the Continents. (Vol. I, pp. 328-339.)
  5. The Harmonic Analysis of Tidal Observations. (Vol. I, pp. 1-69.)
  6. The Harmonic Analysis of Tidal Observations of High and Low Water. (Vol. I, pp. 157-181.)
  7. On Tidal Prediction. (Vol. I, pp. 258-291.)
  8. On the Disturbance of the Vertical near the Coasts of Continents due to the Rise and Fall of the Tide. (Vol. I, pp. 450-458.)
  9. Evaluation of the Rigidity of the Earth from the Tides of Long period. (Vol. I, pp. 340-346.)
  10. On the Bodily Tides of Viscous and Semi-elastic Spheroids, and on the Ocean Tides upon a Yielding Nucleus. (Vol. III, pp. 1-33.)
  11. Problems connected with the Tides of a Viscous Spheroid. (Vol. III, pp. 140-194.)
- (NOTE.—It is to be understood that, in the above list of text-books, wherever a book is recommended for a subject, students are expected to read those parts of the book only which deal with the particular subject.)"

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Physics, dated the 2nd January, 1919:—

“ Professor C. V. Raman stated that he would deliver a short course of lectures on Interference and Diffraction Phenomena to the Post-graduate classes.

**RESOLVED—**

That arrangements be made for the delivery of the lectures and that the name of Professor Raman be included in the list of University Lecturers in Physics for the current session.

The Board proceeded to nominate examiners (Internal and External) for the M.A. and M.Sc. Examinations, 1919.

**RESOLVED—**

That the Board recommend that the Board of Examiners for the M.A. and M.Sc. Examinations in Physics for 1919, be constituted as follows:—

**INTERNAL EXAMINERS.**

Babu Susilkumar Acharyya, M.Sc.  
 Prof. Sudhansukumar Banerjee, D.Sc.  
 Babu Charuchandra Bhattacharyya, M.A.  
 „ Satyendranath Bose, M.Sc.  
 „ Phanindranath Ghosh, M.A.  
 Mr. P. C. Mahalanabis, B.A.  
 Babu Dwijendrakumar Majumdar, M.A.  
 Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.  
 Mr. D. B. Meek, M.A., B.Sc.  
 Babu Sisirkumar Mitra, M.Sc.  
 „ Jogeschandra Mookerjee, M.A.  
 Prof. C. V. Raman, M.A.  
 Babu Abinaschandra Saha, M.Sc.  
 „ Meghnad Saha, M.Sc.

**EXTERNAL EXAMINERS.**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A.,  
 D.L., D.Sc., Ph.D.  
 Babu Surendranath Maitra, M.A.  
 „ Surendranath Ghosh, M.A.  
 Rai Bahadur Kumudini Kanta Banerjee, M.A.  
 Dr. Wali Mahomed, M.A., Ph.D.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 3rd January, 1919 :—

**RESOLVED—**

1. That the Board recommend that Babu Asutosh Maitra, M.A., Lecturer, Presidency College, be appointed University Lecturer in Chemistry with effect from 1st January, 1919, till the end of the current session, in place of Dr. Anukulchandra Sarkar, who has been transferred to Dacca.

2. That subject to the sanction of the authorities of the Presidency College, the remuneration of Babu Asutosh Maitra be fixed at Rs. 100 a month.

**RESOLVED—**

That the Board do not advise the purchase of the serial “Annales de Chemie.”

The Board then proceeded to nominate Examiners (Internal and External) for the M.A. and M.Sc. Examinations of 1919.

**RESOLVED—**

That the Board recommend that the Board of Examiners for the M.A. and M.Sc. Examinations in Chemistry, for 1919 be constituted as follows :—

#### INTERNAL EXAMINERS.

Sir P. C. Ray, Kt., C.I.E., Ph.D., D.Sc., F.C.S.

Babu Jyotibhushan Bhaduri, M.A.

Babu Bidhubhushan Datta, M.A.

Dr. Rasiklal Datta, D.Sc.

Dr. B. B. Dey, D.Sc.

Babu Juanendrachandra Ghosh, M.Sc.

Dr. P. C. Mitter, M.A., Ph.D.

Babu Juanendranath Mukherjee, M.Sc.

Babu Pulinbihari Sarkar, M.Sc.

#### EXTERNAL EXAMINERS.

Rai B. N. Das, Bahadur, M.A., B.Sc.

Dr. Anukulchandra Sarkar, M.A., Ph.D.

Babu Priyadarajan Ray, M.A.

Babu Chandrabhushan Bhaduri, B.A.

Babu Asutosh Maitra, M.A.

The Board next proceeded to recommend text-books for the years 1920 and 1921.

**RESOLVED—**

That the following books be recommended for the M.A. and M.Sc. Examinations in Chemistry for the years 1920 and 1921 :—

(In addition to the books recommended for the B.A. and B.Sc. Pass and Honours courses).

**(A) PHYSICAL CHEMISTRY.**

Ostwald Walker	...	Physico-Chemical Measurements.
Spencer	...	Practical Physical Chemistry. (Two volumes).
Findlay	...	Practical Physical Chemistry.
Nernst (trans. by Tizard)	..	Theoretical Chemistry.
Lewis	...	System of Physical Chemistry.
Findlay	...	Osmotic Pressure.
Mellor	...	Chemical Dynamics and Reactions.
Findlay	...	The Phase Rule.
Leblance or Arrhenius	...	Electro-Chemistry.
Vant' Hoff	...	Lectures on Theoretical and Physical Chemistry.
Travers	...	Study of Gases.
Rutherford	...	Radio-Active Substances and their transformations.
Sackur	...	Thermo-Chemistry and Thermo-Dynamics.
Ostwald	..	Outlines of General Chemistry.
E. C. Baly	...	Spectroscopy.
S. Young	...	Stoichiometry.
W. W. Taylor	...	The Chemistry of Colloids.

**(B) INORGANIC CHEMISTRY.**

Biltz	...	Inorganic Preparations.
Myer	...	History of Chemistry.
Sutton	...	Volumetric Analysis.
Hempel	...	Gas Analysis.
Treadwell and Hall	...	Analytical Chemistry, Vols. I and II.
Roscoe and Schorlemmer	...	Treatise on Chemistry, Vols. I and II.
F. M. Perkin	...	Practical Methods in Inorganic Chemistry.
Werner	...	New Ideas in Inorganic Chemistry.
Stewart	...	Recent advances in Inorganic and Physical Chemistry.

**(C) ORGANIC CHEMISTRY.**

Emil Fischer	...	Organic Preparations.
Richter	...	Organic Chemistry.
Gattermann	...	Practical Organic Chemistry.
J. B. Cohen	...	Advanced Organic Chemistry.
Sudborough	...	Practical Organic Chemistry.
Clarke	...	Identification of Organic Compounds.

Candidates for the M.A. or M.Sc. Examination are required to consult original papers in the Chemical Society's Journals and other Scientific periodicals, and also to consult the Annual Report issued by the Chemical Society on the "Progress of Chemistry" in connection with the special subject taken up by them."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Botany, dated the 3rd January, 1919:—

"The Board proceeded to nominate Examiners (Internal and External) for the M.A. and M.Sc. Examinations of 1919.

**INTERNAL EXAMINERS.**

Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.

Mr. J. C. Nag, B.Sc.

Babu Surendrachandra Banerjee, M.A.

Mr. S. N. Bal, M.Sc.

**EXTERNAL EXAMINERS.**

Mr. S. C. Mahalanabis, B.A., F.R.S.E.

Mr. G. C. Bose, M.A.

**RESOLVED—**

That the Board recommend that the Journal "Abstracts of Bacteriology" be subscribed for the University Library.

The Board thought it desirable to modify the Time-Table of Post-Graduate Classes with a view to accommodate Dr. Brühl and allow him to finish his course of Lectures before he goes on Botanical Excursion to Chotonagpur."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Physiology, dated the 3rd January, 1919:—

"The Board proceeded to nominate Examiners (Internal and External) for the M.A. and M.Sc. Examinations of 1919.

**RESOLVED—**

That the Board recommend that the Board of Examiners for the M.A. and M.Sc. Examinations in Physiology for 1919 be constituted as follows :—

**INTERNAL EXAMINERS.**

Mr. S. C. Mahalanabis, B.A., F.R.S.E.

Babu Nibaranchandra Bhattacharyya, M.A.



## EXTERNAL EXAMINERS.

The Hon'ble Sir Nilotan Sarkar, Kt., M.A., M.D.

Major D. Mc Cay, M.B., I.M.S.

Babu Narendramohan Bose, M.Sc.

Rai Bahadur Dr. Upendranath Brahmachari, M.A., M.D.,  
Ph.D.

## RESOLVED—

That no text-books be prescribed.

In Section 7, Chapter XXXVII of the Regulations, in first paragraph of the Syllabus in Physiology for the M.Sc. Examination, the expression "a particular branch" be interpreted to mean one of the following branches :—

1. Circulation and Respiration.
2. Alimentation and Metabolism.
3. Physiology of the Nervous System and the Organs of Sense.
4. Nerve and Muscle Physiology.
5. Histology and Reproduction.

The four theoretical papers in Physiology be distributed so as to cover the following subjects :—

Paper I. Circulation, Respiration, Alimentation, Metabolism, and Reproduction (compulsory to all candidates.)

Paper II. Nervous System and Muscular System. (Candidates offering a piece of research work falling under the head of "Organs of Sense" will be exempted from this paper.)

Paper III. Organs of Sense. (Candidates offering a piece of research work falling under any of the following heads—Circulation, Respiration, Alimentation, Metabolism, Reproduction, Nervous System, Muscular System, and Histology, will be exempted from this paper.)

Paper IV. The branch of Physiology professed by the candidate for special study.

The Practical Examination will include—

Paper I. Experimental Physiology. (Candidates offering research work falling under the head of Histology or Chemical Physiology will be exempted from this paper.)

Paper II. Histology. (Candidates offering research work falling under the head of Chemical Physiology will be exempted from this paper.)

Paper III. Chemical Physiology.

Paper IV. Candidates' special subject."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Geology, dated the 3rd January, 1919 :—

“The Board proceeded to nominate Examiners (Internal and External for the M.A. and M.Sc. Examinations of 1919.

**RESOLVED—**

That the Board recommend that the Board of Examiners for the M.A. and M.Sc. Examinations in Geology for 1919 be constituted as follows :—

**INTERNAL EXAMINERS.**

Mr. E. Vredenburg, B.Sc., A.R.S.M.

Babu Hemchandra Dasgupta, M.A., F.G.S.

Babu Saratlal Biswas, M.Sc.

**EXTERNAL EXAMINERS.**

Mr. C. S. Middlemiss, Director, Geological Survey of Kashmir.

Mr. G. deP. Cotter, Geological Survey of India.”

**RESOLVED—**

That the Proceedings be confirmed.

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. BANERJI,**

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science

No. 8.

THE 31ST JANUARY, 1919.

**Present:**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc.,

Ph.D., *President, in the Chair.*

Rai Bahadur Abinashchandra Bose,	Babu Jyotibhushan Bhaduri, M.A.
M.A.	Babu Nibaranchandra Bhattacharyya,
Babu Jnanachandra Ghosh, M.A.	M.A.
Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.	Babu Hemchandra Dasgupta, M.A.,
Babu Saradaprasanna Das, M.A.	F.G.S.
Prof., C. V. Raman, M.A.	Mr. E. Vredenburg, B.Sc., A.R.S.M.,

Read a copy of letter No.  $\frac{198 \text{ A.}}{\text{In-9a-18}}$ , from the Director of Public Instruction, Bengal, to the Secretary, Government of Bengal, recommending sanction of the proposal for the co-operation of the Presidency College Staff in the scheme of Post-Graduate Teaching for the Session 1918-19. Read also a copy of Government letter No. 1537 Edn. sanctioning the proposal of the Director of Public Instruction.

**ORDERED—**

To be recorded.

Read a letter from the Registrar, University of Calcutta, forwarding a copy of letter from the Government of Bengal No. 621-T. Edn., dated the 2nd November, 1918, to the Director of Public Instruction, Bengal, refusing sanction to the proposal of the Governing Body of the Presidency College regarding the payment of honoraria to the Professors of that College in return for their services rendered in connection with Post-Graduate work.

**ORDERED—**

To be recorded.

Read an application from Sureschandra Das for withdrawing his name from the 5th-year Applied Mathematics Class and enquiring how much he will have to pay on rejoining the Class and for what period his percentage of attendance will be taken to account.

RESOLVED—

That (1) the applicant may be allowed to withdraw.

(2) if he joins next Session, he must pay for the full Session.

Read an application from Harshanath Mookerjee, an unsuccessful candidate from Dacca College, who is now working as an Assistant to Dr. Rasiklal Datta, D.Sc., Assistant Professor, Calcutta University, for permission to appear at the M.Sc. Examination of 1919 as a non-collegiate student.

RESOLVED—

That the Executive Committee recommend to the Syndicate that the applicant be admitted to the M.Sc. Examination of 1919 as a non-collegiate student.

The Secretary submitted (1) three bills from Messrs. Cambray & Co. amounting to Rs. 1,424-1-4 for books supplied to the Chemical Laboratory and (2) a bill from Messrs. Cambray & Co. amounting to Rs. 172-14 for books supplied to the Botanical Laboratory.

RESOLVED—

That the bills be paid.

The Secretary recommended the appointment of an additional bearer on Rs. 12 a month for his Office ; also an increase of pay of Re. 1 to each of the two existing bearers.

RESOLVED—

That the recommendations be accepted.

Read an application from Jnanendranath Ray, an unsuccessful candidate at the last M.Sc. Examination in Chemistry offering a Thesis on " Condensation with Trichlorides-Synthesis of Cyclic and Heterocyclic Ring Systems in a modified Friedt and Craft's reaction."

RESOLVED—

That the Executive Committee recommend to the Syndicate that the application be granted.

Read the following correspondence on the organisation of the Zoological Department.

"211, PICCADILLY,

London, W.

November 11, 1918.

SIR ASUTOSH MUKHOPADHYA, Kt.,

Calcutta.

SIR,

In continuation of my correspondence regarding my proposal for constructing a ship for marine-biological work, I am now forwarding to you two letters from the Carnegie Institution of Washington. I also enclose my reply to these letters. It greatly facilitates matters when we can take advantage of the experience already accumulated by Dr. Bauer. I shall send you the three volumes of their publications bearing on their ships *Carnegie* and *Galilee* as soon as I have finished studying them.

I agree with Dr. Bauer that magnetic work at sea should be done on a ship specially built for that purpose only. This means I must confine my attention to a ship designed for zoological work only. I shall continue to communicate with people who can supply all information regarding the cost of construction and equipment of this ship. So far, I have ascertained that £15—£20 per ton would be the cost, so that a vessel of 1000 tons would be £20,000 with equipment for propulsion.

I have written to you several letters dealing with various points of view regarding the establishment and equipment of the proposed zoological laboratory. In these letters I have laid my mind bare to you. I have let you see my ambition, that is to say, the lines on which I wish to run the Zoological Department and the work I propose to do. I invite your thoughts on this subject. I shall then be able to proceed with more confidence being assured of your support.

Hoping to hear from you in reply,

I am,

Sir,

Very respectfully,

S. MAULIK

September 18th, 1918.

SIR,

I am writing on behalf of the Zoological Department of the University of Calcutta. We contemplate building a ship for marine biological work. The possibility of combining magnetic work at sea on board the same ship has induced me to enquire about the non-magnetic bronze ship built by your Institution. It would be of great assistance if we have some knowledge of the general plan and some details of the equipment for magnetic work in this bronze ship.

I should be much obliged to you if you would be kind enough to let me have the information.

Respectfully,

(Sd.) S. MAULIK.

Professor S. J. BARNETT,

*Carnegie Institution of Washington.*

WASHINGTON, D. C.,

11th October, 1918 (No. SJB-1)

MR. S. MAULIK,

THE CARLYLE CLUB,

211, Piccadilly, London, W., England.

DEAR SIR,

I am much interested in your letter of September, 1918, which reached me Saturday. I have turned the letter over to Dr. Bauer, the Director of the Department, who is our chief authority on this subject, and who will be able to give you more information than any one else, in fact all the information obtainable. I hope that your plans will be carried out.

Yours very truly,

S. J. BARNETT.

WASHINGTON, D. C.,

16th October, 1918.

PROF. S. MAULIK,

THE CARLYLE CLUB,

211, Piccadilly, London, W., England.

SIR,

Your letter of the 18th ultimo, erroneously addressed to Prof. Barnett, Chief of our Division of Experimental Work, has been referred by him to me for reply.

I am naturally very much interested in your proposed plan of a non-magnetic ship for combined marine-biological work and magnetic work at sea. Probably the information you desire can best be obtained from the three separate parts of our Volume III, dealing respectively with the magnetic work of the *Galilee*, the *Carnegie* and the atmospheric-electric work.

The part dealing with the magnetic work of the *Carnegie* will give you the desired description of our non-magnetic ship. You may find possibly also my "Introduction" to the third part, "Atmospheric-electric Observations" of interest, showing our experience in attempting to combine various lines of investigation on the same ship. In the early years of the Carnegie Institution of Washington, there was some discussion as to the desirability of attempting Scientific researches in various fields of inquiry on one ocean vessel, as was done, for example, on the *Challenger*. It was finally decided that such a combination would not be apt to meet the present-day requirements for results in any one field of research of the highest possible value.

An examination of the publications sent you will no doubt show the excessive care and precautions which must be taken to ensure obtaining magnetic results at sea with the necessary accuracy and expedition. The various appliances needed for marine-biological work would interfere frequently with successful work in terrestrial magnetism, unless you had a vessel considerably larger than the *Carnegie* so that the appliances required for the biological work would be removed at a sufficient distance from the magnetic instruments. While I am naturally interested in any attempt to secure additional magnetic observations at sea, I am inclined to advise restriction to marine-biological work and correlated researches (ocean currents, etc.). Systematic marine-biological work will offer

such a variety of problems of intense interest as to fully occupy the scientific staff.

The approximate cost of the *Carnegie* in 1909 without equipment, was \$100,000. This cost would probably be increased 50 per cent. or more at the present time.

Trusting that I have given you the desired information, and assuring you that it will be a pleasure to serve you further in any way you may indicate, I beg to remain,

Yours very truly,

L. A. BAUER,

*Director.*

*11th November, 1918.*

Dr. L. A. BAUER,

DIRECTOR, DEPARTMENT TERRESTRIAL MAGNETISM,  
*Washington, D. C., U. S. A.*

SIR,

It is with great pleasure that I welcome your letter of the 16th October, 1918, for which accept my sincere thanks. I am also much obliged to you for kindly sending me three publications of your department which contain all the information I desire. I rejoice at the reflection that in equipping a department for investigations at sea we have had the benefit of your great experience and which you so generously place at our disposal.

We shall accept your advice regarding the building of a non-magnetic ship. It suggests itself to me that a non-magnetic ship could be built of concrete. The question then arises: how far the reinforcement would affect the magnetism of the ship? Are there any data on this point? If the effect of the reinforcement is not negligible (which I think it will not be), then the problem reduces itself to this: an alloy should be found which will be non-magnetic and at the same time will have the tensile strength of steel. Certain alloys are advertised in the market, but I do not think attention has been paid to their magnetic properties. Cheapness is the only factor that has made me direct my attention to concrete. I shall be obliged if you would be good enough to express your opinion about a concrete ship for magnetic observations at sea.



Being a Zoologist myself I am primarily interested in constructing a ship for marine-biological work. Do you know of any American firm of builders with whom we can discuss plans for building a ship of, say, 1000 tons for marine-biological and oceanological work only.

Thanking you again for your generous response,

I am,

Sir,

Yours very truly,

(Sd.) S. MAULIK."

#### RESOLVED—

That the matter be taken up for consideration as soon as Mr. Maulik joins his appointment as University Professor of Zoology.

Read a letter from Spencer Lens Company reporting that they had taken in hand the construction of six microscopes for the Zoological Laboratory.

#### ORDERED—

To be recorded.

The following list of holidays for 1919 was sanctioned :—

New Year's day ...	January 1st, Wednesday.
Sri Panchami ...	February 5th & 6th, Wednesday and Thursday.
Dole Jatra ...	March 16th, Sunday.
Chaitra Sankranti ...	April 13th, Sunday.
Easter Holidays ...	April 18th to 21st, Friday to Monday.
Summer Vacation, including King's Birth Day, Shabebarat, Dasahara, Rath Jatra.	April 22nd to June 29th, Tuesday to Sunday.
Idul Fiter ...	June 30th and July 1st, Monday and Tuesday.
Janmashtami ...	August 18th, Monday.
Eduz-Zoha ...	September 6th, Saturday.
Durga Puja holidays including Mahalaya, Lakshmi Puja, Kali Puja, Bhratridwitiya, Jagad-dhatri Puja and Maharam.	September 23rd to November 3rd, Tuesday to Monday.
Kartik Puja ...	November 16th, Sunday

Akheri Chahar Shomba	... November 19th, Wednesday.
Fateha Doaz Dahom	... December 6th, Saturday.
DarbarDay	... December 12th, Friday.
Chrirtmas Holidays	... December 23rd to 31st, Tuesday to Wednesday.

The Secretary brought up the question of the date of the next M.A. and M.Sc. Examinations.

The President stated that the Executive Committee of the Post-Graduate Council in Arts had recommended to the Syndicate that the Examinations be held on the 1st September and following days.

**RESOLVED—**

That a recommendation be made to the Syndicate that the M.A. and M.Sc. Examinations be held on 1st September and following days.

The President stated that Mr. Maulik had requested that £15 a month (instead of £10 as sanctioned at the meeting held on the 5th September, 1918) may be sent to him.

**RESOLVED—**

That the request be complied

(Confirmed).

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1918-19.

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## No. 5.

THE 8TH FEBRUARY, 1919.

### Present:

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L.,  
D.Sc., Ph.D.—*President in the Chair.*

- Rai Abinashchandra Bose, Bahadur, M.A.  
 „ Chuni Lal Bose, Bahadur, M.B., F.C.S.  
 Dr. P. J. Brühl, D.Sc., I.S.O., F.C.S.  
 Babu Jnanachandra Ghosh, M.A.  
 „ Susilkumar Acharyya, M.Sc.  
 „ Jyotibhushan Bhaduri, M.A.  
 „ Charuchandra Bhattacharyya, M.A.  
 „ Nibaranachandra Bhattacharyya, M.A.  
 „ Satyendranath Bose, M.Sc.  
 „ Saradaprasanna Das, M.A.  
 „ Hemchandra Dasgupta, M.A., F.G.S.  
 „ Jnanendrachandra Ghosh, M.Sc.  
 „ Siteschandra Kar, M.A.  
 „ Karunamay Khastagir, M.Sc.  
 „ Dwijendrakumar Majumdar, M.A.  
 Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.  
 Dr. P. C. Mitter, M.A., Ph.D.  
 Babu Sisirkumar Mitra, M.Sc.  
 „ Jogeschandra Mookerjee, M.A.  
 Prof. C. V. Raman, M.A.  
 Babu Abinashchandra Saha, M.Sc.  
 „ Meghnad Saha, M.Sc.  
 „ Hemchandra Sengupta, M.A.  
 Mr. G. C. Bose, M.A.  
 Babu Herambachandra Maitra, M.A.  
 Mr. S. N. Bal, M.Sc.

The Council met to consider the Proceedings of the Executive Committee, dated the 18th and 31st January, 1919, printed copies of which had been previously circulated to all the members.

The President drew attention to the more important recommendations of the Executive Committee.

Prof. C. V. Raman moved that the Proceedings of the Executive Committee, dated the 18th January (annexed herewith) be confirmed.

Dr. P. C. Mitter seconded the motion which was put to the vote and carried unanimously.

Prof. C. V. Raman moved that the Proceedings of the Executive Committee, dated the 31st January (annexed herewith) be confirmed.

Dr. P. Brühl seconded the motion which was put to the vote and carried unanimously.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

**Proceedings of the Executive Committee  
of the Council of Post-Graduate  
Teaching in Science  
FOR THE YEAR 1918-19.**

**No. 9.**

THE 21ST FEBRUARY, 1919.

**Present**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President in the Chair.*

Babu Jnanachandra Ghosh, M.A.	Babu Nibaranachandra Bhattacharyya, M.A.
Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.	Babu Hemchandra Dasgupta, M.A., F.G.S.
Babu Saradaprasanna Das, M.A.	Mr. E. Vredenburg, B.Sc., A.R.S.M.
Babu Jyotibhushan Bhaduri, M.A.	Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.
Professor P. C. Mitter, M.A., Ph.D.	
Mr. J. C. Nag, B.Sc.	

Read the following Proceedings of the Board of Higher Studies in Botany, dated the 15th February, 1919:—

“Read an application from Saileshchandra Sengupta, an external student of the Presidency College for permission to work in the Balliganj Botanical Laboratory.

**RESOLVED—**

That the applicant cannot be permitted to work in the University Botanical Laboratory at Balliganj, as an external student.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Physics, dated the 19th February, 1919:—

“The Board met to consider the applications of J. C. Kameswara Rao, Nareschandra Sen, Surendranath Mitra and Sudhenduprasad Das, who had appeared as regular students and failed at the last M.Sc. Examination in Physics, praying

for admission to the M.Sc. Examination in Physics in 1919 as non-collegiate students after taking a Practical course for one session in the Palit Laboratory.

RESOLVED—

That the applications be granted, and that half the usual fee for six months be charged in each case.

The Board further considered the application of Lalitmohan Bhattacharyya, who deposited the usual fee for the last M.A. Examination in Physics but could not present himself for Examination owing to illness, praying for admission to the M.A. Examination in Physics in 1919 as a regular student, after taking a Practical course for one session in the Palit Laboratory.

RESOLVED—

That the application be granted and that half the usual fee for six months be charged."

RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 19th February, 1919 :—

"The Board met to consider the applications of Jagadishchandra Bhaumik, Lilananda Gupta, and Jnanendranath Ray, who had appeared as regular students and failed at the last M.Sc. Examination in Chemistry, praying for admission to the M.Sc. Examination in Chemistry in 1919 as non-collegiate students after taking a course of Practical work for one session in the Palit Laboratory.

RESOLVED—

That the application be granted and that half the usual fee during six months be charged in each case."

RESOLVED—

That the Proceedings be confirmed.

The President stated that Mr. Maulik had asked for a continuance of the allowance sanctioned by the Executive Committee on the 31st January, 1919, the period of four months for which the allowance was sanctioned having already expired.

RESOLVED—

That £15 a month be remitted to Professor Maulik for a further period of four months, to be deducted from his salary later.

The Secretary reported that the question of payment of travelling allowance to gentlemen attending meetings in connection with Post-Graduate work had been referred by the Senate to the Post-Graduate Council for consideration and report (Minutes of the Senate, dated the 13th July, 1918) and enquired what steps were to be taken to give effect to the resolution of the Senate.

**RESOLVED—**

That the Executive Committee recommend to the Council that the following report be submitted to the Senate:

"In the opinion of the Council, gentlemen attending meetings of the Post-Graduate Councils, Executive or other Committees and Boards of Higher Studies (other than meetings of Examiners) should be permitted to draw travelling allowances at the rates sanctioned by the Senate on the 19th August, 1905 (Minutes, 1905-06, page 293) for Fellows attending University meetings. The amounts paid as such travelling allowances should be debited against the funds placed by the Government of India at the disposal of the University for payment of travelling allowances of Fellows residing in the mofussil. From the letter of the Director of Public Instruction, Bengal, to the Registrar, Calcutta University, dated the 6th April, 1905 (Minutes, 1904-05, p. 462) it appears that the object of the Government of India in creating the travelling allowance Fund, was to encourage Fellows residing in the mofu sil to attend meetings of the University, as it was considered desirable that they should not be deterred by the expense involved in journeying to head quarters from taking part in University affairs. The rules framed by the Committee of the Senate appointed to carry out this object of the Government of India naturally mentioned only such academic bodies as were in existence at that time. The Council recommend that the scope of these rules should now be widened in view of altered conditions, and the rules should be made applicable to gentlemen attending University Meetings in connection with Post-Graduate work (other than meetings of Examiners). The Council observe that added members of Faculties have for this purpose been deemed to be in the same category as Fellows and Members of the Post-Graduate academic bodies should be clearly placed on the same level."

The Secretary reported that in order to give effect to the following resolution of the Syndicate dated the 8th February, 1918, he had under instructions from the President,

issued a Circular on the subject of Readership lectures to the members of the Council :—

“That the Executive Councils in Arts and Science be requested to suggest the names of persons who may be invited to deliver courses of Readership lectures.”

**RESOLVED—**

That the action of the Secretary be approved and the replies received be laid before the Executive Committee for consideration.

Read an application for free-studentship from Sudhirkumar Banerjee of the 5th-year Chemistry Class.

**RESOLVED—**

That a free-studentship be granted to Sudhirkumar Banerjee with effect from 1st February, 1912.

Read an application from Mr. S. N. Bal, Assistant Professor of Botany, for a grant of Rs. 200 for attending the Pusa Laboratory.

**RESOLVED—**

That the Executive Committee recommend to the Governing Body of the University College of Science that a grant of Rs. 200 be made to Mr. S. N. Bal for studying the organisation of the Pusa Mycological Laboratory.

The Secretary requested the Executive Committee to fix the price of “Organic Thio-Compounds, Part I” by Sir P. C. Ray, published by the University.

(1) That a copy of the book be sent to each member of the Board of Higher Studies in Chemistry.

(2) That the price of the book be fixed at one rupee.

(Confirmed.)

ASUTOSH MOOKERJEE,  
*President.*

H. C. BANERJI,  
*Secretary.*



# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

FOR THE YEAR 1918-19.

**No. 10.**

THE 12TH APRIL, 1919.

**Present :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc.,  
Ph. D.— *President, in the Chair.*

The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.	Mr. J. C. Nag, B.Sc.
Rai Abinashchandra Bose, Bahadur, M.A.	Babu Nibaranchandra Bhattacharyya, M.A.
Babu Jnanachandra Ghosh, M.A.	Mr. S. C. Mahalanabis, B.Sc., F.R.S.E
Babu Saradaprasanna Das, M.A.	Babu Hemchandra Dasgupta, M.A., F.G.S.
Professor C. V. Raman, M.A.	Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.
Babu Jyotibhushan Bhaduri, M.A.	Mr. E. Vredenburg, B.Sc., A.R.S.M.
Professor P. C. Mitter, M.A., Ph.D.	

Read the following Proceedings of the Board of Higher Studies in Applied Mathematics, dated the 12th April, 1919 :—

“RESOLVED—

(1) That the following gentlemen be appointed Post-Graduate Teachers in Applied Mathematics for the session 1919-20 :—

- Prof. Sudhansukumar Banerjee, D.Sc.
- Babu Nalinimohan Basu, M.Sc.
- „ Satyendranath Basu, M.Sc.
- „ Saradaprasanna Das, M.A.
- „ Bibhutibhushan Datta., M.Sc.
- „ Siteschandra Kar, M.A.
- „ Karunamay Khastgir, M.Sc.
- Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.
- Babu Meghnad Saha, M.Sc.
- „ Nikhilranjan Sen, M.A.
- „ Hemchandra Sengupta, M.A.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Name.	Monthly Salary.
	Rs.
Babu Nalinimohan Basu ...	225
„ Bibhutibhushan Datta ...	225
„ Nikhilranjan Sen ...	200

(3) That the remuneration of the undermentioned gentlemen be fixed at the sum of Rs. 100 a month each, subject to the sanction to the authorities of their respective colleges :—

*Presidency College.*

Dr. D. N. Mallik.  
 Babu Saradaprasanna Das.  
 „ Karunamay Khastgir.  
 „ Hemchandra Sengupta.

*Bangabasi College.*

Babu Siteschandra Kar.

The following distribution of work was sanctioned for the session on 1919-20 :—

FIFTH-YEAR CLASS.

Statics ...	Mr. S. P. Das.
Dynamics of Particle ...	„ K. M. Khastgir
Rigid Dynamics ...	„ N. M. Bose.
Spherical Astronomy ...	„ S. C. Kar.

SIXTH-YEAR CLASS.

Statics (Potential and Attraction)	Dr. D. N. Mallik.
Hydrostatics ...	Mr. H. C. Sengupta
Hydrodynamics ...	„ N. R. Sen.
Advanced Astronomy	Dr. D. N. Mallik.
Lunar and Planetary Theori	Mr. B. B. Datta.
Elasticity ...	„ S. N. Bose.
Advanced Dynamics	„ N. M. Bose.
Figure of the Earth	„ M. N. Saha.
Theory of the Tides	Prof. S. K. Banerjee.

FIFTH-YEAR CLASS.

*Introductory Lectures.*

Vector (5 lectures)	Dr. D. N. Mallik.
Integral Calculus and Differential Equations (10 lectures).	Mr. S. C. Kar.
Solid Geometry (15 lectures)	„ N. R. Sen.
Hydrodynamics (12 lectures)	„ N. R. Sen.
Attraction and Potential (12 lectures).	Prof. S. K. Banerjee.

**RESOLVED—**

That the time table for the Sixth-year Class now in force, be continued after the Summer holidays, till altered by the Board.

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Physics, dated the 12th April, 1919 :—

**RESOLVED—**

(1) That the following gentlemen be appointed Post-Graduate Teachers in Physics for the session 1919-20 :—

Babu Susilkumar Acharyya, M.Sc.  
 Prof. Sudhansukumar Bauerjee, D.Sc.  
 Babu Charuchandra Bhattacharyya, M.A.  
 „ Satyendranath Bose, M.Sc.  
 „ Brajendranath Chakrabarti, M.Sc.  
 Mr. P. C. Mahalanabis, B.A.  
 Babu Dwijendrakumar Majumdar, M.A.  
 Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.  
 Mr. D. B. Meek, M.A., B.Sc.  
 Babu Sisirkumar Mitra, M.Sc.  
 „ Jogeschandra Mookerjee, M.A.  
 Prof. C. V. Raman, M.A.  
 Babu Abinaschandra Saha, M.Sc.  
 „ Meghnad Saha, M.Sc.  
 „ Phanindranath Ghosh, M.A.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Name.	Monthly Salary.
	Rs.
Babu Susilkumar Acharyya	225
„ Satyendranath Basu	225
„ Phanindranath Ghosh	250
„ Sisirkumar Mitra	225
„ Jogeschandra Mookerjee	250
„ Abinaschandra Saha	225
„ Meghnad Saha	225

3. That, subject to the sanction of the authorities of the Presidency College, an honorarium of Rs. 100 a month be offered to each of the following gentlemen :—

Mr. D. B. Meek.  
 „ P. C. Mahalanabis.  
 Babu Charuchandra Bhattacharyya.  
 „ Dwijendrakumar Majumdar.

## RESOLVED—

That the following scheme of lectures be sanctioned :—

## FIFTH-YEAR CLASS, 1919-20.

## GENERAL LECTURES.

(A) *Electricity and Magnetism.*

Mr. D. B. Meek	... Electrostatics	... 15 lectures.
„ P. Mahalanabis	... Modern Electricity	... 15 lectures.
„ S. K. Acharyya	... Current Electricity and Magnetism	... 15 lectures.
„ A. Saha	... Electro-Dynamics	... 15 lectures.

(B) *General Physics and Sound.*

Prof. C. V. Raman	... Theory of Musical Instruments.	... 8 lectures.
Mr. J. C. Mookerjee	... Sound	... 36 lectures.
Prof. S. K. Banerjee	... Dynamics	... 12 lectures.
Mr. S. N. Bose	... Capillarity, Elasticity, Viscosity, Molecular Physics	... 12 lectures.

(C) *Light.*

Prof. C. V. Raman	... Interference and Diffraction.	... 8 lectures.
Mr. D. B. Meek	... Electro and Magneto Optics	... 15 lectures.
„ D. K. Majumdar	... Modern developments in Physical Optics	... 15 lectures.
„ P. N. Ghosh	... Geometrical Optics	... 15 lectures.
„ S. K. Mitra	... Physical Optics (the classical Theory)	... 25 lectures.
„ B. K. Chakrabarti	... Magneto Optics (Ele- mentary Course)	... 12 lectures.

(D) *Heat.*

Prof. C. V. Raman	... Convection phenomena and Spheroidal State	... 6 lectures.
Mr. P. N. Ghosh	... Conduction of Heat	... 10 lectures.
„ S. K. Acharyya	... General Theory	... 30 lectures.
„ M. Saha	... Thermodynamics	... 20 lectures.

## SIXTH-YEAR CLASS, 1919-20.

## GENERAL LECTURES.

(A) *Electricity and Magnetism.*

Mr. A. Saha	... Electrodynamics	... 15 lectures.
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*(B) General Physics and Sound.*

Mr. J. C. Mookerjee ...	Sound ...	15 lectures.
„ S. N. Bose ...	Elasticity and Viscosity ...	6 lectures.

*(C) Light.*

Mr. P. Mahalanabis	Modern developments in Physical Optics. ...	15 lectures.
„ P. N. Ghosh	Geometrical Optics ...	5 lectures.
„ S. K. Mitra	Polarization ...	5 lectures.

*(D) Heat.*

Mr. S. K. Acharyya	General Theory of Heat ...	6 lectures.
„ M. Saha	Thermodynamics ...	5 lectures.

There will be advanced lectures on the following topics ;  
each course will consist of generally 24 lectures :—

*(A) Electricity and Magnetism.*

Dr. D. N. Mallik	... History of the theories of the Aether.
Mr. P. Mahalanabis	... Relativity.
„ S. K. Acharyya	... Applied Electricity.
Prof. S. K. Banerjee	... Electromagnetic Waves.
Mr. S. N. Bose	... Electron Theory.
„ A. Saha	... X Rays.
„ D. K. Majumdar	... Recent advances in Magnetic Theory.
Mr. C. C. Bhattacharyya	... Radio-activity.

*(B) (1) General Physics.*

Dr. D. N. Mallik	... Theory of Potential.
Mr. S. N. Bose	... Molecular Physics.

*(2) Sound.*

Mr. J. C. Mookerjee	... Aerial Vibrations.
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*(C) Light.*

Mr. D. B. Meek	... Electro and Magneto Optics.
„ S. K. Mitra	... Spectroscopy.
„ M. Saha	... Quantum Theory.

*(D) Heat.*

Mr. P. N. Ghosh	... Conduction of Heat.
„ M. Saha	... Thermodynamics.

In the Fifth-year Class, every student will be required to attend all the lectures in Electricity and Magnetism and; in the other subject selected by him.

In the Sixth-year Class, every student will be required to attend all the lectures in at least one of the several topics included under the head "Electricity and Magnetism," and in at least one of the topics included in the other subject selected by him.

**RESOLVED ALSO—**

That it be announced that at the M.A. and M.Sc. Examinations in Physics, in each subject the first paper will be devoted to questions of a general character and the second paper will contain questions of an advanced type.

**RESOLVED—**

That arrangements be made for delivery of the following courses of introductory lectures on Mathematics (attendance at these courses is optional):—

Dr. D. N. Mallik	Vector Analysis	...	5 lectures.
Mr. D. B. Meek	Differential Equations	...	5 "
" S. N. Bose	Higher Analysis	...	10 "
" N. R. Sen	Solid Geometry	...	5 "

**RESOLVED—**

That the time-table for the Sixth-year Class now in force, be continued after the summer holidays, till altered by the Board."

**"RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 12th April, 1919 :—

**"RESOLVED—**

(1) That the following gentlemen be appointed Post-Graduate Teachers in Chemistry for the session 1919-20 :—

Babu Jyotibhushan Bhaduri, M.A.

" Bidhubhushan Datta, M.A.

Dr. Rasiklal Datta, D.Sc.

" B. B. Dey, D.Sc.

" Jnanendrachandra Ghosh, D.Sc.

Babu Asutosh Maitra, M.A.

Dr. P. C. Mitter, M.A., Ph.D.

Babu Jnanendranath Mookerjee, M.Sc.

Sir P. C. Ray, Kt., C.I.E., Ph.D., D.Sc., F.C.S.

Babu Priyadarshan Ray, M.A.

" Pulinbihari Sarkar, M.Sc.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Name.	Monthly salary.
	Rs.
Dr. Jnanendrachandra Ghosh	... 225
Babu Jnanendranath Mookerjee	... 225
„ Pulinbihari Sarkar	... 150

(3) That subject to the sanction of the authorities of the Presidency College, an honorarium of Rs. 100 a month be offered to each of the following gentlemen :—

Babu Jyotibhushan Bhaduri.
„ Bidhubhushan Datta.
Dr. B. B. Dey.
Babu Asutosh Maitra.

**RESOLVED—**

That the following distribution of work be sanctioned :—

#### FIFTH AND SIXTH-YEAR CLASSES.

##### ORGANIC CHEMISTRY.

Dr. P. C. Mitter	Heterocyclic, Natural dyes and Alkaloids (A).
„ B. B. Dey	Aromatic, homocyclic, Alkaloids (B).
„ R. L. Datta	Alliphatic, Terpenes and Camphors.

##### INORGANIC CHEMISTRY.

Sir P. C. Ray	... Historical.
Mr. B. B. Datta	... General; Metals (I).
„ P. B. Sarkar	... Metals (II).
„ P. R. Ray	... Non-metals.

##### PHYSICAL CHEMISTRY.

Mr. J. B. Bhaduri	... Chemical Statics and Dynamics.
„ Jnanendranath Mookerjee	... Thermodynamics.
Dr. Jnanendrachandra Ghosh	... Kinetic Theory.
Mr. Asutosh Maitra	... Electro Chemistry.

**RESOLVED—**

That the time-table for the Sixth-year Class now in force, be continued after the summer holidays, till altered by the Board.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Botany, dated the 12th April, 1919 :—

**"RESOLVED—**

That the following gentlemen be appointed Post-Graduate Teachers in Botany for the session 1919-20 :—

Dr. P. Brühl, D.Sc.

Mr. J. C. Nag, B.Sc.

Babu Surendrachandra Banerjee, M.A.

Mr. Surendranath Bal, M.Sc.

(2) That the remuneration of the following gentlemen be fixed at the sum mentioned against the name of each :—

Name.	Monthly salary. Rs.
Dr. P. Brühl ... ..	800
Mr. S. N. Bal ... ..	300

(3) That subject to the sanction of the authorities of the Presidency College, an honorarium of Rs. 100 a month be offered to each of the following gentlemen :—

Mr. J. C. Nag.

Babu Surendrachandra Banerjee.

**RESOLVED—**

That the following distribution of work be sanctioned :—

**FIFTH-YEAR CLASS.**

General Morphology ... ..	Mr. S. C. Banerjee.
Histology ... ..	" J. C. Nag.
Special Morphology and Classification ..	" S. C. Banerjee.
Plant Physiology ... ..	{ " S. N. Bal.
Mycology and Algology ... ..	{ " J. C. Nag.
	" J. C. Nag.

**SIXTH-YEAR CLASS.**

Special Morphology and Classification ..	Mr. S. C. Banerjee.
Morphology of selected natural orders ..	Dr. P. Brühl.
Higher Cryptogam ... ..	Mr. J. C. Nag.
Plant Physiology (continued) ..	{ " S. N. Bal.
	{ " J. C. Nag.
Organography ... ..	Dr. P. Brühl.
History of Botany ... ..	" P. Brühl.
Plant Geography ... ..	{ " P. Brühl.
	{ Mr. S. C. Banerjee.
Fossil Botany ... ..	Dr. P. Brühl.
Special lectures on Evolution and Ecology	Mr. S. C. Banerjee.
Economical Botany ... ..	" S. N. Bal.



**RESOLVED—**

That the Time-Table for the Sixth-year Class now in force, be continued after the summer holidays till altered by the Board."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Physiology, dated the 12th April, 1919 :—

**" RESOLVED—**

(1) That the following gentlemen be appointed Post-Graduate Teachers in Physiology for the session 1919-20 :—

Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.

Babu Nibaranchandra Bhattacharyya, M.A.

(2) That subject to the sanction of the authorities of the Presidency College an honorarium of Rs. 100 a month be offered to each of the following gentlemen :—

Mr. S. C. Mahalanabis.

Babu Nibaranchandra Bhattacharyya.

(3) That Babu Narendramohan Bose, M.Sc., be appointed Assistant Lecturer in Physiology.

**RESOLVED—**

That the following distribution of work in Physiology be sanctioned :—

**FIFTH-YEAR CLASS.**

Physical Chemistry	...	Mr. S. C. Mahalanabis.
Studies in Immunity	...	" S. C. Mahalanabis.
Chemical Physiology	...	N. C. Bhattacharyya.
Enzyme Action	...	N. C. Bhattacharyya.
Metabolism	...	N. C. Bhattacharyya.
Endocrinology	...	Narendramohan Bose.

**SIXTH-YEAR CLASS.**

Physiology of the Nervous System	...	Mr. S. C. Mahalanabis.
Physiology of the Sense Organs.	{	" Narendramohan Bose.
	"	" S. C. Mahalanabis.
Studies in Circulation and Respiration	...	" Nibaranchandra Bhattacharyya.
Physiology of Secretion	...	" Nibaranchandra Bhattacharyya.
Physiology of Nerve and Muscle	...	" Narendramohan Bose.
History of Physiology	...	" S. C. Mahalanabis.

**RESOLVED—**

That the Time-Table for the Sixth-year Class now in force, be continued after the Summer holidays, till altered by the Board."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Geology, dated the 12th April, 1919 :—

**" RESOLVED—**

(1) That the following gentlemen be appointed Post-Graduate Teachers in Geology for the session 1919-20 :—

Babu Saratlal Biswas, M.Sc.

Babu Hemchandra Dasgupta, M.A., F.G.S.

Mr. E. Vredenburg, B.Sc., A.R.S.M.

(2) That the remuneration of the undermentioned gentlemen be fixed at the sum mentioned against the name of each :—

Mr. E. Vredenburg ... Rs. 200 a month

Babu Saratlal Biswas ... " 200 "

(3) That subject to the sanction of the authorities of the Presidency College, an honorarium of Rs. 100 a month be offered to Babu Hemchandra Dasgupta.

**RESOLVED—**

That the following distribution of work be sanctioned :—

**FIFTH YEAR AND SIXTH YEAR CLASSES.**

Stratigraphy	... Mr. E. Vredenburg.
Economic Geology	... { „ H. C. Dasgupta
	... { „ Saratlal Biswas.
Crystallography	... „ Saratlal Biswas.
Palaeontology	... { „ E. Vredenburg.
	... { „ H. C. Dasgupta.

On the motion of Mr. Dasgupta it was resolved :—

(1) That from the Examination of 1921, the following distribution of papers be made :—

*Theoretical.*

- I. General Geology and Economic Geology.
- II. Mineralogy and Petrology.
- III. Stratigraphy and Palaeontology.
- IV. Some selected branch of Stratigraphy and Palaeontology

*Or*

Some selected branch of Mineralogy and Petrology.

In each of the first three papers at least one question shall be set dealing with the History of the Science.

*Practical.*

- I. Geological maps, etc.
- II. Minerals and rocks.
- III. Fossils.
- IV. An Examination to test the candidate's knowledge of the special branch selected by him.

(2) That the special branch be selected by the candidate, with the sanction of the Board, at least one year before the Examination at which he intends to appear.

**RESOLVED—**

That the time-table for the Sixth-year Class now in force, be continued after the summer holidays, till altered by the Board."

**RESOLVED—**

That the Proceedings be confirmed.

Read the followings Proceedings of the Board of Higher Studies in Physics, dated the 26th February, 1919.

"Read an application from Binaykrishna Mukhopadhyay, who had appeared as a regular student and failed at the last M.Sc. Examination in Physics praying for admission to the M.Sc. Examination in Physics in 1919 as a non-collegiate student after taking a course of Practical work for one session in the Palit Laboratory.

**RESOLVED—**

That the application be granted and that half the usual fee for six months be charged."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Applied Mathematics, dated the 27th February, 1919.

"The President stated that some preliminary lectures in Hydrostatics, Hydrodynamics and Attractions and Potential should be delivered to the 5th-year Class during the present session to prepare the students to follow the advanced course in the 6th-year Class.

**RESOLVED—**

That the following arrangements be made for the delivery of the lectures :—

Hydrostatics	... Mr. H. C. Sen-	... Friday (11-12)
	gupta	

Hydrodynamics ... Mr. N. R. Sen ... Tuesday (2-3)  
 Attractions and Potential ... Dr. S. K. Banerjee ... Wednesday (2-3)"

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 5th March, 1919 :—

"Read a letter from Lakshmi Narayana, who took the degree of B.Sc. at the Patna University with 1st Class Honours in Chemistry in 1918, and was working as a private student in the Patna College for the M.Sc., enquiring whether he can be admitted to the 5th-year Class in Chemistry at the University College of Science in July, 1919.

**RESOLVED—**

That the Board recommend that the applicant be permitted to read for the M.Sc. Examination of this University and that his application for admission to the Science College be considered along with others at the beginning of the next session."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 6th March, 1919:—

"Read a letter from the Principal, Dacca College, requesting that Dr. Anukulchandra Sarkar, M.A., Ph.D., Professor, Dacca College, may be appointed University Lecturer at Dacca in Organic Chemistry in place of Mr. Bawa Kartar Singh.

**RESOLVED—**

That the Board recommend that Dr. Anukulchandra Sarkar, M.A., Ph.D., be appointed University Lecturer at Dacca in Organic Chemistry in place of Mr. B. K. Singh."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 1st April, 1919 :—

"Considered an application from Frank D'Costa, who appeared at the M.Sc. Examination of 1918 in Chemistry as a University student attached to the College of Science, but failed and who after working in the Science College Laboratory up to October, 1918, is at present working as Assistant Examiner in the Chemical Laboratory of the Government Opium Factory, Ghazipur, for permission to sit for the next examination as a non-collegiate student.

**RESOLVED—**

That the Board recommend that Frank D'Costa be permitted to appear at the M.Sc. Examination of 1919 in Chemistry as a non-collegiate student."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Botany dated the 5th March, 1919:—

"The Board met to consider an application from Sailesh-chandra Sengupta for admission to the 6th-year Botany Class as a regular student and to discuss certain general principles involved therein.

**RESOLVED—**

That the applicant be admitted as a regular Post-Graduate student in the 6th-year Botany Class on payment of half the usual fee for six months.

**RESOLVED—**

That a candidate who fails at the M.A. or M.Sc. Examination in Botany may appear at the subsequent Examination in the same subject as a non-collegiate student, provided he produces from a recognised University Lecturer in that subject, a certificate to the effect that he has taken a Practical course under his direction, during the session immediately preceding the Examination."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Botany, dated the 19th March, 1919:—

"The Board considered at the request of the Syndicate a letter from the Executive Committee of the Temporary Board of Control of Botanical Abstracts, requesting that the University may subscribe for a copy of the "Botanical Abstracts", a monthly serial furnishing abstracts and citations of publications in the international field of Botany published under their direction by Messrs. Williams and Wilkins Company, Baltimore, U.S.A.

**RESOLVED—**

That the Board recommend that a copy of the monthly serial "Botanical Abstracts" be subscribed for the University Library."

**RESOLVED—**

That the Proceedings be confirmed.

Secretary submitted a letter from Prof. Raman enclosing a bill for Rs. 170 which had been paid in anticipation of sanction

by the Executive Committee, for the cost of 17 volumes of Philosophical Magazine from July, 1907 to December 1915 and to request further sanction of Rs. 12 for binding eight volumes of the above magazine.

**RESOLVED—**

That the amount of Rs. 132 be paid out of the Library grant.

Secretary placed before the meeting a bill for Rs. 40 from the Indian Book Binding Co. for binding 500 copies of "Organic Thio Compound" by Sir P. C. Ray.

**RESOLVED—**

That the bill be passed.

Read a letter from Col. G. P. Lennox-Conyngham regarding his appointment as a member of the Board of Examiners in Applied Mathematics.

**ORDERED—**

To be recorded.

Read a letter from Mr. C. S. Middleniss stating his conditional acceptance of the appointment as a member of the Board of Examiners in Geology.

That the letter be placed before the Board of Higher Studies in Geology.

Secretary reported that in pursuance of the sanction of the Executive Committee, dated the 31st January, 1919 he has given an increase of Re. 1 to each of his two bearers from 1st February, 1919 and has appointed an additional bearer on Rs. 12 a month (including Grain Allowance) with effect from 11th February, 1919.

**RESOLVED—**

That the action of the Secretary be approved.

Secretary submitted two bills from "Kamalalaya" amounting to Rs. 55-4 on account of summer uniforms and pagrees for four menials attached to his office.

**RESOLVED—**

That the bills be paid.

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. BANERJI,**

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1918-19.

No. 6.

THE 22ND APRIL, 1919.

## Present :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc.,  
Ph.D., - *President, in the Chair.*

Rai Abinashchandra Bose, Bahadur, M.A.	Phanindranath Ghosh, M.A.
Rai Chunilal Bose Bahadur, M.B., F.C.S.	Babu Karunamay Khastgir, M.Sc.
Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.	Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.
Mr. Juanchandra Ghosh, M.A.	Babu Dwijendrakumar Majumdar, M.A.
Babu Sasilkumar Acharyya, M.Sc.	Dr. P. C. Mitter, M.A., Ph.D.
Prof. Sudhansukumar Banerjee, D.Sc.	Babu Sisirkumar Mitra, M.Sc.
Babu Surendrachandra Banerjee, M.A.	Babu Jnanendranath Mookerjee, M.Sc.
Babu Charuchandra Bhattacharyya, M.A.	Babu Jogoschandra Mookerjee, M.A.
Babu Saratlal Biswas, M.Sc.	Babu Abinashchandra Saha, M.Sc.
Babu Nalinimohan Bose, M.Sc.	Babu Meghnad Saha, M.Sc.
Babu Satyendranath Bose, M.Sc.	Babu Nikhilranjan Sen, M.A.
Babu Hemchandra Dasgupta, M.A., F.G.S.	Babu Hemchandra Sengupta, M.A.
Dr. B. B. Dey, D.Sc.	Mr. E. Vredenburg, B.Sc., A.R.S.M.
Dr. Jnanendrachandra Ghosh, D.Sc.	Mr. S. N. Bal, M.Sc.
	Babu Priyadarshan Ray, M.A.
	Principal, Scottish Churches College.
	Principal, Bangabasi College.
	Principal, City College.

The Council met to consider the Proceedings of the Executive Committee, dated the 21st February and 12th April, 1919 printed copies of which had been previously circulated to all the members.

The President drew attention to the more important recommendations of the Executive Committee.

Dr. P. C. Mitter moved that the Proceedings of the Executive Committee, dated the 21st February, 1919 (annexed herewith) be confirmed.

Dr. S. K. Banerji seconded the motion, which was put to the vote and carried unanimously.

Dr. P. Brühl moved that the Proceedings of the Executive Committee, dated the 12th April, 1919 (annexed herewith) be confirmed.

Rai Bahadur Chunilal Bose seconded the motion which was put to the vote and carried unanimously.

(Confirmed.)

ASUTOSH MOOKERJEE,  
*President.*

H. C. BANERJI,  
*Secretary.*



# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

**FOR THE YEAR 1918-19.**

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**No. 11.**

**THE 11TH JUNE, 1919.**

**Present:**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.

Rai Abinashchandra Bose, Bahadur, M.A.

Babu Jnanchandra Ghosh, M.A.

Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.

Babu Saradaprasanna Das, M.A.

Professor C. V. Raman, M.A.

Babu Jyotibhushan Bhaduri, M.A.

Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.

Babu Nibaranachandra Bhattacharyya, M.A.

The Executive Committee proceeded to consider the arrangements to be made for opening a small Class in Zoology for M.Sc. students from the current session.

**RESOLVED—**

That the following gentlemen be appointed University Lecturers in Zoology for the session 1919-20:—

Professor S. Maulik, B.A. (Cantab).

Mr. K. Mitter, B.A. (Wis).

Babu Bharatchandra Dhar, M.A.

Dr. Harihar Ganguli, M.D.

**RESOLVED FURTHER—**

That an honorarium of Rs. 100 a month be paid to each of the gentlemen named above (except Prof. Maulik) with effect from 1st July, 1919.

The Executive Committee next considered the question of appointment of Readers in Scientific subjects.

**RESOLVED—**

That the Executive Committee recommend to the Syndicate that the following gentlemen be appointed University Readers in Scientific subjects:—

- (1) Mr. L. K. Anantha Krishna Iyer, B.A.,  
Superintendent of Ethnography, Cochin State,  
Author of "Cochin Tribes and Castes,"  
Subject: Indian Ethnography.
- (2) Dr. G. C. Simpson, D.Sc., F.R.S.,  
Offg. Director General of Observatories in  
India.  
Subject: Problems of Meteorology.

Read an application from Pravaschandra Das of the 6th year Botany Class, who has attended more than 75% of lectures under University Lecturers, the aggregate of the lectures delivered by whom exceed 180, praying that he may be permitted to sit for the ensuing Examination in Botany. (Medical certificate is submitted showing that the applicant was unable to attend other courses on account of serious illness).

**RESOLVED—**

That the application be granted on condition that he continues to work in July and August.

The Secretary submitted the following bills for books supplied for the Department of Zoology:—

			Rs.	A	P.
Butterworth & Co.	...	...	548	11	0
"	...	...	72	2	0
Macmillan & Co.	...	...	396	8	9
Chakrabarti, Chatterjee & Co.	...	...	108	12	0
Dasgupta & Co.	...	...	115	9	6

**RESOLVED—**

That the bills be paid.

The Secretary requested the Executive Committee to make arrangements for his Office and to place the Assistants in his department on a graded scale of pay as in the Departments of the Registrar, Controller and Post-Graduate Council in Arts.

## RESOLVED—

That the office staff be constituted as follows with effect from the current month :—

	Grade.	Salary on 1-6-19
Babu Radhikacharan Lahiri ...	100-10-150	110
„ Dhirendrakumar Mookerjee, B.A. ...	50-5-75	50
„ Pratapchandra Rakshit ...	40-4-60	40

## RESOLVED—

That the following estimate of expenditure of the year 1919-20 be forwarded to the Board of Accounts :—

	Rs.
Teaching Staff ...	87,900
Secretary ...	6,000
Assistants ...	2,880
Duffries and Bearers ...	1,100
Contingencies and Stationery ...	1,000
Furniture ...	750
Books and Periodicals ...	10,000
Total ...	1,09,630

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1919-20.

## No. 1.

THE 5TH JULY, 1919.

### Present :

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc.,  
Ph. D. —*President, in the Chair.*

The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.	Babu Bipbhubhushan Datta, M.Sc. Dr. B. B. Dey, D.Sc.
Rai Abinashchandra Bose, Bahadur. M.A.	Dr. Jnanendrachandra Ghosh, D.Sc. Babu Phanindranath Ghosh, M.A.
Rai Chunilal Bose, Bahadur. M.B., F.C.S.	Babu Sitesechandra Kar, M.A. Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.
Rai Bahadur Dr. U. N. Brahmachari, M.A., M.D., Ph.D.	Babu Dwijendrakumar Majumdar, M.A.
Mr. Jnanachandra Ghosh, M.A.	Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.
Mr. G. C. Bose, M.A.	Dr. P. C. Mitter, M.A., Ph.D.
Babu Susilkumar Acharyya, M.Sc.	Babu Sisirkumar Mitra, M.Sc.
Prof. Sudhansukumar Banerji, D.Sc.	Babu Jnanendranath Mookerjee, M.Sc.
Babu Surendrachandra Banerji, M.A.	Babu Jogeschandra Mookerjee, M.A.
Babu Charuchandra Bhattacharyya, M.A.	Mr. J. C. Nag, B.Sc.
Babu Nibaranachandra Bhattacharyya, M.A.	Prof. C. V. Raman, M.A.
Babu Saratlal Biswas, M.Sc.	Sir P. C. Ray, Kt., C.I.E., Ph.D., D.Sc., F.C.S.
Babu Nalinimohan Bose, M.Sc.	Babu Priyadarunjan Ray, M.A.
Babu Satyendranath Bose, M.Sc.	Babu Abinashchandra Saha, M.Sc.
Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.	Babu Pulinbihari Sarkar, M.Sc.
Babu Saradaprasanna Das, M.A.	Babu Nikhilranjan Sen, M.A.
	Babu Hemchandra Sengupta, M.A.

Dr. P. C. Mitter moved that the Hon'ble Sir Asutosh Mookerjee be elected President of the Council of Post-Graduate Teaching in Science, for the year 1919-20.

Dr. P. Brühl seconded the motion which was carried by acclamation.

Dr. P. Brühl moved that the Proceedings of the Executive Committee, dated the 11th June, 1919 (annexed herewith) be confirmed.

Dr. P. C. Mitter seconded the motion.

Dr. D. N. Mallik moved by way of amendment that the question of the appointment of Dr. Harihar Ganguli, M.D., and Babu Bharatchandra Dhar, M.A., as University Lecturers in Zoology be referred back to the Executive Committee of the Council of Post-Graduate Teaching in Science.

Sir P. C. Ray seconded the amendment.

Professor C. V. Raman, Rai Bahadur Dr. Chunilal Bose, and Principal G. C. Bose supported the amendment.

Sir Nilotan Sircar opposed the amendment.

Dr. P. Brühl replied.

The President summed up the debate.

The amendment of Dr. D. N. Mallik was put to the vote and declared lost, ten members voting for and nineteen against it.

The original motion of Dr. P. Brühl was then put to the vote and carried.

The Council next proceeded to elect from amongst the members of the Council, three persons to be members of each of the following Boards of Higher Studies, under Section 19 (b) of Chapter XI of the Regulations :—

1. Applied Mathematics.
2. Physics.
3. Chemistry.
4. Botany.
5. Physiology.
6. Geology.
7. Zoology.

The following gentlemen had been duly nominated under Section 43 :—

*I. Applied Mathematics.*

Rai Bahadur A. C. Bose, M.A.

Mr. Jnanchandra Ghosh, M.A.

Mr. P. C. Mahalanabis, B.A.

Babu Dwijendrakumar Majumdar, M.A.

The Hon'ble Justice Sir Asutosh Mookerjee, Kt., C.S.I.,  
M.A., D.L., D.Sc., Ph.D.

*II. Physics.*

Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.

Mr. Jnanchandra Ghosh, M.A.

The Hon'ble Justice Sir Asutosh Mookerjee, Kt., C.S.I.,  
M.A., D.L., D.Sc., Ph.D.

### III. Chemistry.

Mr. S. N. Bal, M.Sc.  
 Rai Bahadur Chunilal Bose, M.B., F.C.S.  
 Mr. Jnanchandra Ghosh, M.A.  
 Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.  
 Babu Dwijendrakumar Majumdar, M.A.  
 Mr. D. B. Meek, M.A., B.Sc.

### IV. Botany.

Babu Charuchandra Bhattacharyya, M.A.  
 Babu Nibaranchandra Bhattacharyya, M.A.  
 Mr. G. C. Bose, M.A.  
 Babu Hemchandra Dasgupta, M.A., F.G.S.  
 Dr. B. B. Dey, D.Sc.  
 Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.  
 Babu Dwijendrakumar Majumdar, M.A.  
 Mr. K. Mitter, B.A.

### V. Physiology.

Babu Surendrachandra Banerjee, M.A.  
 Rai Bahadur Dr. U. N. Brahmachari, M.A., M.D.,  
 Ph.D.  
 Dr. Jnanendrachandra Ghosh, D.Sc.  
 The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.

### VI. Geology.

Babu Charuchandra Bhattacharyya, M.A.  
 Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.  
 Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.  
 Babu Dwijendrakumar Majumdar, M.A.

### VII. Zoology.

Mr. S. N. Bal, M.Sc.  
 Babu Charuchandra Bhattacharyya, M.A.  
 Rai Bahadur Dr. U. N. Brahmachari, M.A., M.D.,  
 Ph.D.  
 Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.  
 Babu Dwijendrakumar Majumdar, M.A.  
 The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.  
 Mr. E. Vredenburg, B.Sc., A.R.S.M.

The names of the undermentioned gentlemen were at their request withdrawn from the Boards named :—

#### *Physiology.*

Dr. Jnanendrachandra Ghosh.

#### *Geology.*

Babu Charuchandra Bhattacharyya.

Ballots were then successively taken in respect of the several Boards, except in Physics, Physiology and Geology, in each of which the number of gentlemen proposed for election did not exceed the number of places to be filled up.

On scrutiny of the ballot papers the President declared that the undermentioned gentlemen had been duly elected to the different Boards :—

*I. Applied Mathematics.*

1. The Hon'ble Justice Sir Asutosh Mookerjee, Kt.,  
C.S.I., M.A., D.L., D.Sc., Ph.D.
2. Rai Bahadur A. C. Bose, M.A.
3. Mr. Jnanachandra Ghosh, M.A.

*II. Physics.*

1. The Hon'ble Justice Sir Asutosh Mookerjee, Kt.,  
C.S.I., M.A., D.L., D.Sc., Ph.D.
2. Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.
3. Mr. Jnanachandra Ghosh, M.A.

*III. Chemistry.*

1. Rai Bahadur Chunilal Bose, M.B., F.C.S.
2. Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.
3. Mr. Jnanachandra Ghosh, M.A.

*IV. Botany.*

1. Mr. G. C. Bose, M.A.
2. Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.
3. Babu Nibaranachandra Bhattacharyya, M.A.

*V. Physiology.*

1. The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.  
Rai Bahadur Dr. U. N. Brahmachari, M.A., M.D.,  
Ph.D.
3. Babu Surendrachandra Banerjee, M.A.

*VI. Geology.*

1. Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.
2. Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.
3. Babu Dwijendrakumar Majumdar, M.A.

*VII. Zoology.*

1. The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.
2. Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.
3. Rai Bahadur Dr. U. N. Brahmachari, M.A., M.D.,  
Ph.D.

(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. BANERJI,

*President,*

*Secretary,*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

FOR THE YEAR 1919-20.

## No. 1

THE 9TH AUGUST, 1919.

### Present:

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

Rai Abinashchandra Bose, Bahadur, M.A.	Prof. P. C. Mitter, M.A., Ph.D.
Mr. Jnanachandra Ghosh, M.A.	Babu Jyotibhushan Bhaduri, M.A.
Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.	Babu Surendrachandra Banerjee, M.A.
Prof. Sudhansukumar Banerjee, D.Sc.	Babu Nibaranchandra Bhattacharyya, M.A.
Prof. C. V. Raman, M.A.	Mr. E. Vredenburg, B.Sc., F.R.S.M.
Babu Charuchandra Bhattacharyya, M.A.	Babu Hemchandra Dasgupta, M.A., F.G.S.

The Secretary reported that the Executive Committee for 1919-20 had been constituted as follows:—

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L.,  
D.Sc., Ph.D.—*President.*

The Hon'ble Sir Nibratan Sircar, Kt., M.A., M.D.

Rai Abinashchandra Bose, Bahadur, M.A.

Mr. Jnanachandra Ghosh, M.A.

Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.

Prof. Sudhansukumar Banerjee, D.Sc.

Prof. C. V. Raman, M.A.

Babu Charuchandra Bhattacharyya, M.A.

Prof. P. C. Mitter, M.A., Ph.D.

Babu Jyotibhushan Bhaduri, M.A.

Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.

Babu Surendrachandra Banerjee, M.A.

Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.

Babu Nibaranchandra Bhattacharyya, M.A.

Mr. E. Vredenburg, B.Sc., A.R.S.M.

Babu Hemchandra Dasgupta, M.A., F.G.S.



Read the Proceedings of the meetings of the Teaching Staffs in (1) Applied Mathematics, (2) Physics, (3) Chemistry (4) Botany, (5) Physiology and (6) Geology, dated the 5th July 1919.

**ORDERED—**

To be recorded.

Read the following Proceedings of the Board of Higher Studies in Applied Mathematics, dated the 29th July, 1919 :—

“ Dr. D. N. Mallik proposed that the Hon'ble Sir Asutosh Mookerjee be elected as the Chairman of the Board of Higher Studies in Applied Mathematics for 1919-20.

Mr. Jnanchandra Ghosh seconded the proposal which was carried unanimously.

**RESOLVED—**

That the following students be admitted to the Fifth-year Class in Applied Mathematics, as attached students of the Presidency College :—

- (1) Sudhirlal Sengupta.
- (2) Purnachandra Acharyya.
- (3) Sudhansubimal Dasgupta.
- (4) Sachindranath Mitra.
- (5) Amulyacharan Maulik.
- (6) Kalipada Datta.

**RESOLVED—**

That the following students be admitted to the Fifth-year Class in Applied Mathematics as attached students of the Scottish Churches College :—

- (1) Manindrakumar Sanyal.
- (2) Rabindranath Bose.

**RESOLVED—**

That the following students be admitted to the Fifth-year Class in Applied Mathematics, as attached students of the University College of Science :—

- (1) Manoranjan Goswami.
- (2) Tarinikanta Datta.
- (3) Subodhchandra Mitra.
- (4) Kshetranath Dangali.
- (5) Jatilchandra Ghosh.
- (6) Panchanan Bose.
- (7) Kalidas Bhattacharyya.
- (8) Manasranjan Sinha.
- (9) Lokendranath Datta.

- (10) Srischandra Das.
- (11) Atulechandra Chakrabarti.
- (12) Bankimchandra Mookerjee.
- (13) Bhagabaticharan Mitra.
- (14) Phanindranath Ganguli.
- (15) Gosthabihari Datta.
- (16) Bhupeshnarayan Bose.
- (17) Lakshminanchandra Patra.
- (18) Pratapchandra Chatterjee.
- (19) Birendranath Ray.
- (20) Kalipada Nandi.

Read an application from Saradindubhushan Banerjee, who stood first at the last B.Sc. Examination of the Allahabad University, for admission to the Fifth-year Applied Mathematics Class.

**RESOLVED—**

That the applicant be admitted.

**RESOLVED—**

That the Time-Table for the session 1919-20, annexed to these Proceedings be adopted."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Physics, dated the 31st July, 1919 :—

" Professor C. V. Raman proposed that the Hon'ble Sir Asutosh Mookerjee be elected as the Chairman of the Board of Higher Studies in Physics for 1919-20.

Babu Phanindranath Ghosh seconded the motion which was carried unanimously.

**RESOLVED—**

That Professor D. M. Bose be appointed Post-Graduate Teacher in Physics under Section 3 of Chapter XI of the Regulations.

**RESOLVED THAT—**

(a) The following students be admitted to the Fifth-year Class in Physics as attached students of the Presidency College :—

- (1) Satisranjan Khastgir.
- (2) Mrityunjay Mookerjee.
- (3) Suryakanta Mookerjee.
- (4) Narayanchandra Majumdar.
- (5) Kshitiprasad Mookerjee.

- (6) Phanindrachandra Dasgupta.
- (7) Bhagawat Prasad.
- (8) Bijaychandra Das.
- (9) Satischandra Sengupta.
- (10) Priyabandhu Gupta.
- (11) Rohininandan Das Mahapatra.

(b) The following students be admitted to the Fifth-year Class as attached students of the University College of Science :—

- (1) Mahommad Nobi.
- (2) Satischandra Pramanik.
- (3) Abalakanta Chaudhuri.
- (4) Sureschandra Ray.
- (5) Rasmohan Chatterjee.
- (6) Kamanakrishan Sarma.
- (7) Radharaman Ganguli.
- (8) Rampada Dhar.
- (9) Gopalchandra Banerjee.
- (10) Bhabeschandra Mookerjee.
- (11) Bimalaprasanna Bose.
- (12) Karunaranjan Ray.
- (13) Nirmalananda Das.
- (14) Dwarikanath Chatterjee.
- (15) Kamalaprasanna Ray.
- (16) Lala Gopal Prasad.
- (17) Haridas Chaudhuri.
- (18) Sakhanath Mukherjee.

(c) If the last four candidates (Nos. 15-18) do not turn up for admission by Monday, the 4th August, 1919, the following students be admitted in their places in the order named below :—

Radhaballav Karmakar	} Krishnath College.
Bijayprasanna Gupta	
Nitaichand De	
Haraprasad De	Hughli College.
	Scottish Churches College.

**RESOLVED—**

That the draft Time-Table placed before the Board be circulated to the members for suggestions of any alterations."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 29th July, 1919 :—

"Babu Jyotibhushan Bhaduri proposed that Sir P. C. Ray be elected as the Chairman of the Board of Higher Studies in Chemistry for 1919-20.

Prof. P. C. Mitter seconded the proposal which was carried unanimously.

**RESOLVED—**

That the selection of candidates for admission to the Fifth-year Chemistry Class be postponed to the next meeting of the Board.

**RESOLVED—**

That the Time-Table for the session 1919-20 annexed to these proceedings be adopted."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 5th August, 1919 :—

" The Board met to select candidates for admission to the Fifth-year Chemistry Class.

**RESOLVED—**

That the following candidates be admitted to the Fifth-year Class in Chemistry, and be attached to the Colleges noted against their names :—

(1) Bimalchandra Guha	....	Presidency College.
(2) Indubbushan Biswas	...	Do.
(3) Nalinkumar Basu	...	Do.
(4) Brajendranath Basu	...	Do.
(5) Genimat Ali	...	Do.
(6) Prātipchandra Basu	...	Do.
(7) Nalinaksha Mukerjee	...	Do.
(8) Gopendrakumar Dhar	...	Do.
(9) Mahendranath Ghosh	...	Do.
(10) Kishorimohan Sil	...	Do.
(11) Bhuputsing Dugar	...	Do.
(12) Saratkumar Basu	...	Do.
(13) Lakshmi Narayan	...	University College of Science.
(14) Pareschandra Banerjee	...	Do.
(15) Pulinbihari Mukherjee	...	Do.
(16) Bidhucharan Chatterjee	...	Do.
(17) Kamalapati Chaudhuri	...	Do.
(18) Amalkrishna Ghosh	...	Do.
(19) Sripada Mukherjee	...	Do.
(20) Pulinbihari Mitra	...	Do.
(21) Anathnath Halder	...	Do.
(22) Susitachandra Chaudhuri	...	Do.
(23) Susilkumar Das	...	Do.

**RESOLVED ALSO—**

That the following three candidates arranged in order of merit be declared eligible for admission to the University College of Science in case any of the candidates (Nos. 13-23) does not join within one week from this date :—

- (1) Kalikinkar Ray.
- (2) Jogendranath Dam.
- (3) Manimohan Lahiri.

Read an application from Sarojkumar Sen, a student of the 6th-year Class in the Dacca College, praying for admission to the 6th-year Class as an attached student of the Presidency College, and annexing a transfer certificate.

**RESOLVED—**

That the application be granted."

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Botany, dated the 1st August, 1919 :—

" Mr. S. N. Bal proposed that Dr. P. Brühl be elected as the Chairman of the Board of Higher Studies Botany for 1919-20.

Mr. J. C. Nag seconded the proposal which was carried unanimously.

**RESOLVED—**

(a) That Hemendrachandra Mukherjee be admitted to the Fifth-year Botany Class and attached to the Presidency College.

(b) That Durgadas Mukherjee be admitted to the Fifth-year Botany Class and attached to the University College of Science.

**RESOLVED—**

That the following Time-Table and distribution of work be sanctioned for the session 1919-20 :—

Monday	... Systematic Botany	5th and (12-4)	Mr. S. C.
	(Lecture & Practical)	6th-year.	Banerjee.
Tuesday	.. Plant Geography	6th-year (12-4)	Mr. S. C.
	(Lecture & Practical)		Banerjee.
Wednesday	(Lecture & Practical)	5th and (12-4)	Mr. J. C.
		6th-year.	Nag.
Thursday		11-5	} Dr. P. Brühl
Friday		11-5	
Saturday		11-5	
			} and
			} Mr. S. N. Bal.

## DISTRIBUTION OF WORK.

1. General Systematic Botany	...	Mr. S. C. Banerjee.
2. Special Morphology	...	Dr. P. Brühl.
3. Comparatative Anatomy of Plants.		Mr. J. C. Nag.
4. Mosses and Ferns	...	Do.
5. Mycology	...	Mr. S. N. Bal.
6. Algology	...	Dr. P. Brühl.
7. Plant Physiology	...	{ Mr. S. N. Bal. Mr. J. C. Nag.
8. Plant Geography	...	Mr. S. C. Banerjee.
9. Oecology	...	Do.
10. Evolution	...	Dr. P. Brühl.
11. Paleo-Botany	...	Do.
12. Economic Botany	...	Mr. S. N. Bal.
13. History of Botany	...	Dr. P. Brühl."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Physiology, dated the 1st August, 1919 :—

" Babu Nibaranchandra Bhattacharyya proposed that Mr. S. C. Mahalanabis be elected as the Chairman of the Board of Higher Studies in Physiology for 1919-20.

Babu Surendrachandra Banerjee seconded the proposal which was carried unanimously.

## RESOLVED—

That the following students be admitted to the Fifth-year Class in Physiology and attached to the Presidency College :—

- (1) Saurindramohan Banerjee.
- (2) Narendrakumar Brahmachari.
- (3) Basudev Narayan.
- (4) Jyotibhushan Datta.
- (5) Lakshminarayan Das.
- (6) Srigobinda Mukherjee.

## RESOLVED—

That the Time-Table for the last session 1918-19 be adopted for the present session, 1919-20."

## RESOLVED—

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Geology, dated the 31st July, 1919 :—

“Babu Hemchandra Dasgupta proposed that Mr. E. Vredenburg be elected as the Chairman of the Board of Higher Studies in Geology for 1919-20.

Babu Dwijendrakumar Majumdar seconded the proposal which was carried unanimously.

**RESOLVED—**

That the following students be admitted to the Fifth-year Geology Class and be attached to the Presidency College :—

- (1) Surendranarayan Acharyyachaudhuri.
- (2) Indubhushan Mukherjee.
- (3) Sudhansubhushan Datta.

Read an application from Brajendrachandra Dasgupta, who prosecuted his studies at the Presidency College for the M.Sc. Course in Geology during the sessions, 1917-18 and 1918-19, and whose attendance at lectures has fallen short owing to illness, praying that the deficiency in his attendance at lectures may be condoned with a view to enable him to appear at the ensuing M.Sc. Examination.

**RESOLVED—**

That the Board recommend that the applicant be allowed to appear at the M.Sc. Examination commencing on the 1st of September, 1919, on condition that he continues to do practical work in August.

**RESOLVED—**

That the following Time-Table for 1919-20 be adopted.

Monday	... Lecture—Prof. E. Vredenburg	(12.30-1.30.)
Tuesday	... Lecture—Prof. H. C. Dasgupta	(1-2)
	Practical—Mr. S. L. Biswas	(11-12.30)
Wednesday	... Lecture—Prof. E. Vredenburg	(12. 30-1. 30.)
	Practical—Mr. S. L. Biswas	(11-12.30)
Thursday	... Lecture—Prof. H. C. Dasgupta	(12-1)
	Practical—Mr. S. L. Biswas	(1-2.30)
Friday	... Lecture—Mr. S. L. Biswas	(11-12)
	Practical—Prof. H. C. Dasgupta	(12-1)
Saturday	... Lecture—Mr. S. L. Biswas	(11-12)
	Practical—Prof. H. C. Dasgupta	(1-2)

The students will work in the Laboratory from 11 A.M. to 4 P.M. and Mr. S. L. Biswas will be in general charge.”

**RESOLVED—**

That the Proceedings be confirmed.

The Secretary reported that Babu Prafullachandra Guha and Babu Bidhubhushan Ray had been appointed Superintendent and Assistant Superintendent respectively, of the mess at 6, Badur Bagan Lane, attached to the Science College.

**RESOLVED—**

That the appointments be confirmed.

Read applications from Dr. Jnanendrachandra Ghosh and Mr. Jnanendranath Mukherjee, University Lecturers in Chemistry, for leave on half pay during the period of their stay in Europe as Sir T. N. Palit Research Scholars.

**RESOLVED—**

That leave be granted to Dr. Jnanendrachandra Ghosh and Mr. Jnanendranath Mukherjee on a monthly allowance of Rs. 100 each, on condition that they continue to serve the University for three years after return, or refund the allowance paid.

Read an application from the Assistants in the Secretary's Office praying that their posts may be declared pensionable.

**RESOLVED—**

That the appointments be declared pensionable.

The Secretary submitted a bill from Messrs. Cambray and Co., amounting to Rs. 1,492-1 for books supplied to the Chemical Department.

**RESOLVED—**

That the bill be paid, the amount being debited against the Post-Graduate Science Library grant.

Read a letter from Professor C. V. Raman, requesting that certain books be purchased for the Department of Physics.

**RESOLVED—**

That the books be purchased.

Read an application from Satischandra Pramanik, praying for a rent-free seat at the Post-Graduate Science students' mess, at 6, Badur Bagan Lane.

**RESOLVED—**

That the application be granted.

The Secretary requested the Executive Committee to fix the price of "Journal of the Department of Science, Vol. I, 1919."

**RESOLVED—**

That the matter be referred to the Press and Publication Committee.



On the principles laid down in a resolution of the Executive Committee, dated the 5th September, 1918, the Secretary placed on the table applications for free-studentships.

**RESOLVED—**

That free-studentships be granted to the students named in the list signed by the President.

Considered the following Report on the work of the Post-Graduate Council in Science for the session 1918-19.

**RESOLVED—**

That the Report be laid before the Council of Post-Graduate Teaching in Science.

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. BANERJI,**

*Secretary.*

## Report of the work of the Council of Post-Graduate Teaching in Science for the session 1918-19

During the session 1918-19, instruction was given in (1) Applied Mathematics, (2) Physics, (3) Chemistry, (4) Botany, (5) Physiology, and (6) Geology.

The following table shows the number of students in the different Post-Graduate classes on the 18th of April, 1919, the date on which lectures for the session were closed :—

	5th-year	6th-year.
I. Applied Mathematics	... 18	.. 27
II. Physics	... 24	.. 32
III. Chemistry	... 25	.. 21
IV. Botany	... 2	.. 10
V. Physiology	... 4	.. 5
VI. Geology	... 3	.. 3
	—	
	76	98
Grand Total	= 174	

The following gentlemen constituted the teaching staff in the different subjects :—

### I. APPLIED MATHEMATICS.

Dr. Sudhansukumar Banerjee, M.Sc., Silver Medallist, 1914 ;  
P. R. Student, 1915 ; D.Sc., 1918 ; Sir Rashbehary Ghose Professor.

Mr. Nalinimohan Basu, M.Sc., Gold Medallist, 1914 ;  
formerly Professor, C. M. S. College, Calcutta.

„ Satyendranath Bose, M.Sc., Gold Medallist, 1915.

„ Saradaprasanna Das, M.A., Silver Medallist, 1897 ; Professor, Presidency College, Calcutta.

„ Bibhutibhushan Datta, M.Sc., Class I, 1914 ; P. R. Student.

„ Siteschandra Kar, M.A., Gold Medallist, 1910 ; Professor, Bangabasi College, Calcutta.

„ Karunamay Khastgir, M.Sc., Silver Medallist, 1914 ; Professor, Presidency College, Calcutta.

Dr. D. N. Mallik, B.A. (Cantab) ; Sc.D. (Dublin) ; Professor, Presidency College, Calcutta.

„ Meghnad Saha, M.Sc., Silver Medallist, 1915 ; D.Sc., 1919.

Mr. Nikhilranjan Sen, M.A., Gold Medallist, 1916.

„ Hemchandra Sengupta, M.A., 1902 ; Professor, Presidency College, Calcutta.

## II. PHYSICS.

- Mr. Susilkumar Acharyya, M.Sc., Silver Medallist, 1912 ;  
formerly Professor, City College, Calcutta.
- Dr. Sudhansukumar Banerjee, M.Sc., Silver Medallist, 1914 ;  
P. R. Student, 1915 ; D.Sc., 1918.
- Mr. Charuchandra Bhattacharyya, M.A., 1905 ; Professor,  
Presidency College, Calcutta.
- „ Satyendranath Bose, M.Sc., Gold Medallist, 1915.
- „ Phanindranath Ghosh, M.A., Gold Medallist, 1908 ;  
formerly Professor, Bangabasi College, Calcutta.
- „ P. C. Mahalanabis, B.A. (Cantab.) ; Professor, Presi-  
dency College, Calcutta.
- „ Dwijendrakumar Majumdar, M.A., 1903 ; Professor,  
Presidency College, Calcutta.
- Dr. D. N. Mallik, B.A. (Cantab.) ; Sc.D. (Dublin) ; Professor,  
Presidency College, Calcutta.
- Mr. D. B. Meek, M.A., B.Sc. : Professor, Presidency College,  
Calcutta.
- „ Sisirkumar Mitra, M.Sc., Gold Medallist, 1912 ;  
formerly Professor, Bhagalpore College.
- „ Jogeschandra Mookerjee, M.A., Gold Medallist, 1907 ;  
formerly Professor, Bangabasi College, Calcutta.
- „ C. V. Raman, M.A. (Madras), Sir Taraknath Palit Pro-  
fessor.
- „ Abinashchandra Saha, M.Sc., Gold Medallist, 1914.
- Dr. Meghnad Saha, M.Sc., Silver Medallist, 1915 ; D.Sc.,  
1919.

## III. CHEMISTRY.

- Mr. Jyotibhushan Bhaduri, M.A., Silver Medallist, 1891 ;  
P. R. Student, 1894 ; Professor, Presidency College,  
Calcutta.
- „ Bidhubhushan Datta, M.A., 1902 ; Professor, Presidency  
College, Calcutta.
- Dr. Rasiklal Datta, M.Sc., Gold Medallist, 1912 ; D.Sc.,  
1916 ; P. R. Student, 1916.
- „ Bimanbihari De, M.Sc., 1910 ; P. R. Student, 1913 ;  
D.Sc. (London) ; Professor, Presidency College,  
Calcutta.
- Dr. Jnanendrachandra Ghosh, M.Sc., Gold Medallist, 1915 ;  
D.Sc., 1919.
- Mr. Asutosh Maitra, M.A., Gold Medallist, 1908 ; Professor  
Presidency College, Calcutta. (Appointed in the place  
of Dr. Anukulchandra Sarkar on 1st January, 1919.)
- Dr. P. C. Mitter, M.A., 1904 ; Ph.D. (Berlin) ; Sir Rash-  
behary Ghose Professor.

- Mr. Jnanendranath Mookerjee, M.Sc., Silver Medallist, 1915.  
 „ K. G. Naik, M.A., B.Sc.; formerly Professor, Krishnath College, Berhampur. (Resigned on 1st September, 1918.)  
 Sir P. C. Ray, Kt., C.I.E., Ph.D., D.Sc., Emeritus Professor, Presidency College, Calcutta; Sir Taraknath Palit Professor.  
 Mr. Priyadarajan Ray, M.A., Gold Medallist, 1911; formerly Professor, City College, Calcutta. (Appointed in the place of Mr. K. G. Naik, resigned.)  
 Dr. Anukulchandra Sarkar, M.A., 1908; P. R. Student. 1910; Ph.D., 1915; Professor, Presidency College, Calcutta. (Transferred to Dacca in December, 1918.)  
 Mr. Pulinbihari Sarkar, M.Sc., Silver Medallist, 1916.

#### IV. BOTANY.

- Mr. S. N. Bal, M.Sc. (Michigan).  
 „ Surendrachandra Banerjee, M.A., Class I, 1907; Professor, Presidency College, Calcutta.  
 Dr. Paul Brühl, D.Sc.; formerly Professor, Sibpur Engineering College, Calcutta.  
 Mr. J. C. Nag, B.Sc. (California); Professor, Presidency College, Calcutta.

#### V. PHYSIOLOGY.

- Mr. Nibaranchandra Bhattacharyya, M.A., 1905; Professor, Presidency College, Calcutta.  
 „ S. C. Mahalanabis, B.Sc. (Edin.); Professor, Presidency College, Calcutta.

#### VI. GEOLOGY.

- Mr. Saratlal Biswas, M.Sc., Gold Medallist, 1910; formerly Lecturer, Commercial College, Calcutta.  
 „ Hemchandra Dasgupta, M.A., Silver Medallist, 1900; Professor, Presidency College, Calcutta.  
 „ E. Vredenburg, B.Sc., B.L., A.R.C.S., A.R.S.M., Superintendent, Geological Survey, Calcutta.

#### I. APPLIED MATHEMATICS.

The lecturing work in Applied Mathematics was distributed as follows :—

#### FIFTH-YEAR CLASS.

Statics	...	Mr. S. P. Das.
Dynamics of a Particle.	...	„ K. Khastgir.
Rigid Dynamics	...	„ N. M. Bose.
Spherical Astronomy	...	„ S. C. Kar.

Hydrostatics	Mr. H. C. Sengupta	(A few preliminary lectures, delivered during the latter part of the session.)
Hydrodynamics	N. R. Sen	Ditto.
Attractions and Potential.	Dr. S. K. Banerjee	Ditto.

## SIXTH-YEAR CLASS.

Hydrostatics	Mr. H. C. Sengupta.
Hydrodynamics	„ N. R. Sen.
Higher Parts of Spherical Astronomy	Dr. D. N. Mallik.
Attractions and Potential ...	„ D. N. Mallik.
Theory of Elasticity	Mr. S. N. Bose.
Advanced Dynamics ...	„ N. M. Bose.
Lunar and Planetary Theories	„ B. B. Datta.
Figure of the Planets	Dr. M. N. Saha.
Theory of the Tides	„ S. K. Banerjee.

## SUMMARY OF HOURS OF WEEKLY LECTURE WORK.

	5th-year.	6th-year.
Mr. S. P. Das	...	2
„ K. Khastgir	...	2
„ N. M. Bose	...	3
„ S. C. Kar	...	3
„ H. C. Sengupta	...	2
„ N. R. Sen ...	...	3
Dr. D. N. Mallik	...	3
Mr. S. N. Bose	...	3
„ B. B. Datta	...	3
„ M. N. Saha	...	3
Dr. S. K. Banerjee	...	3

The syllabuses of the lectures in Statics, Particle Dynamics, Hydrostatics, Spherical Astronomy, Elementary Rigid Dynamics and Advanced Astronomy were printed by the University and circulated to the students.

## II. PHYSICS.

The lecturing work in Physics was distributed as follows:—

## FIFTH-YEAR CLASS.

## GENERAL LECTURES.

(A) *Electricity and Magnetism.*

Mr. D. B. Meek	Electrostatics	... 15 lectures.
„ P. Mahalanabis	Modern Electricity	... 15 „
„ S. K. Acharyya	Current Electricity and Magnetism.	15 „
A. Saha	Electro Dynamics	... 15 „

(B) *General Physics and Sound.*

Mr. J. C. Mookerjee...	Sound	...	36 lectures.
Prof. S. K. Banerjee...	Dynamics	...	12 "
Mr. S. N. Bose	Capillarity, Elasticity, Viscosity, Molecular Physics.	12	"

(C) *Light.*

Mr. D. B. Meek	Electro and Magneto Optics.	15	lectures.
„ P. Mahalanabis	Modern developments in Physical Optics.	15	"
„ P. N. Ghosh	Geometrical Optics	...	15 "
„ S. K. Mitra	Physical Optics (The Classical Theory).	15	"

(D) *Heat.*

Mr. P. N. Ghosh	Conduction of Heat	10	lectures.
„ S. K. Acharyya	General Theory	30	"
Dr. M. Saha	Thermodynamics	20	"

## SIXTH-YEAR CLASS.

## GENERAL LECTURES.

(A) *Electricity and Magnetism.*

Mr. A. Saha	Electrodynamics	15	lectures.
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(B) *General Physics and Sound.*

Mr. J. C. Mookerjee	Sound	15	lectures.
S. N. Bose	Elasticity and Viscosity	6	"

(C) *Light.*

Mr. P. Mahalanabis	Modern developments in Physical Optics.	15	lectures.
Mr. P. N. Ghosh	Geometrical Optics	5	"
„ S. K. Mitra	Polarization	5	"

(D) *Heat.*

Mr. S. K. Acharyya	General Theory of Heat	6	lectures.
Dr. M. Saha	Thermodynamics	5	"

There were advanced lectures on the following topics:—

(A) *Electricity and Magnetism.*

Dr. D. N. Mallik ...	History of the Theories of the Æther.
Mr. P. Mahalanabis ...	Electron Theory.
„ S. K. Acharyya...	Applied Electricity.
Prof. S. K. Banerjee	Electromagnetic Waves.
Mr. S. N. Bose	Relativity.
„ A. Saha	X-Rays.
„ D. K. Majumdar	Recent advances in Magnetic Theory.
„ C. C. Bhattacharyya.	Radioactivity.

(B) (1) *General Physics.*

Dr. D. N. Mallik . . . Theory of Potential.

Mr. S. N. Bose . . . Molecular Physics.

(2) *Sound.*

Mr. J. C. Mookerjee. . . Aerial Vibrations.

(C) *Light.*

Mr. D. B. Meek . . . Electro and Magneto Optics.

.. S. K. Mitra . . . Spectroscopy.

Dr. M. Saha . . . Quantum Theory.

(D) *Heat.*

Mr. P. N. Ghosh . . . Conduction of Heat.

Dr. M. Saha . . . Thermodynamics.

In the Fifth-year Class, every student was required to attend all the general lectures in Electricity and Magnetism and in the other subject selected by him.

In the Sixth-year Class, every student was required to attend all the lectures in at least one of the several topics included under the head "Electricity and Magnetism," and in at least one of the topics included in the other subject selected by him.

It was resolved by the Executive Committee that at the M.A. and M.Sc. Examinations in Physics, in each subject the first paper will be devoted to questions of a general character and the second paper will contain questions of an advanced type.

Mr. D. B. Meek could not deliver the lectures assigned to him as he went to the Munitions Board.

Prof. C. V. Raman delivered a short course of highly interesting lectures on Interference and Diffraction Phenomena to the 5th and 6th-year Classes.

## SUMMARY OF HOURS OF WEEKLY LECTURE WORK..

Name.	5th-year.	6th-year.
Mr. P. C. Mahalanabis . . . . .	3	3
.. S. K. Acharyya . . . . .	3	3
.. A. C. Saha . . . . .	3	3
.. J. C. Mookerjee . . . . .	3	3
Prof. S. K. Banerjee . . . . .	3	3
Mr. S. N. Bose . . . . .	3	2
.. P. N. Ghosh . . . . .	3	3
.. S. K. Mitra . . . . .	3	2
Dr. M. Saha . . . . .	3	3
Mr. D. K. Majumdar . . . . .	..	2
.. C. C. Bhattacharyya . . . . .	..	22
Dr. D. N. Mallik . . . . .	..	..

A syllabus of the lectures on X-Rays has been prepared by Mr. A. C. Saha and is in the Press. The syllabuses of the lectures on Geometrical Optics, and "Thermodynamics, Kinetic Theory of Gases and Radiation" were printed by the University and circulated to the students.

### III. CHEMISTRY.

The lecturing work in Chemistry was distributed as follows:—

#### FIFTH AND SIXTH-YEAR CLASSES.

##### ORGANIC CHEMISTRY.

Dr. P. C. Mitter.

„ B. B. Dey.

„ R. L. Datta.

„ A. C. Sarkar.

##### INORGANIC CHEMISTRY.

Sir P. C. Ray.

Mr. B. B. Datta.

„ K. G. Naik.

„ P. B. Sarkar.

##### PHYSICAL CHEMISTRY.

Mr. J. B. Bhaduri.

„ Jnanendranath Mookerjee.

Dr. Jnanendrachandra Ghosh.

Mr. K. G. Naik resigned his appointment with effect from 1st September, 1918, and Babu Priyadarajan Ray was appointed in his place.

Babu Asutosh Maitra, M.A., was appointed on January 1st, 1919, in the place of Dr. A. C. Sarkar who was transferred to Dacca.

#### SUMMARY OF HOURS OF WEEKLY LECTURE WORK.

Sir P. C. Ray	...	...	...	1
Dr. P. C. Mitter	...	...	...	2
„ B. B. Dey	...	...	...	2
„ R. L. Datta	...	...	...	1
„ A. C. Sarkar	...	...	...	2
Mr. B. B. Datta	...	...	...	2
„ K. G. Naik	...	...	...	2
„ P. B. Sarkar	...	...	...	2
„ J. B. Bhaduri	...	...	...	2
„ Jnanendranath Mookerjee	...	...	...	1
Dr. Jnanendrachandra Ghosh	...	...	...	2

The syllabuses of the lectures in Physical Chemistry by Mr. J. N. Mookerjee, Mr. J. Bhaduri, and Dr. J. C. Ghosh,



Organic Chemistry by Dr. P. C. Mitter, Dr. Anukulechandra Sarkar, and Dr. B. B. Dey and a Syllabus of Practical work in Organic Chemistry were printed by the University and circulated to the students.

#### IV. BOTANY.

The residential quarters of the late Sir Taraknath Palit have been repaired and converted into a Biological laboratory. A large outhouse has been converted into students' residential quarters with accommodation for about twenty students. The instrumental outfit of the laboratory is not yet complete. Start has been made in working up a herbarium, and it is hoped that in a few years it will contain a complete collection of Bengal and Bihar plants with specimens from every district.

The lecturing work in Botany was distributed as follows :—

##### FIFTH-YEAR CLASS.

General Morphology	Mr. S. B. Banerjee.
Histology	„ J. C. Nag.
Special Morphology and Classification.	„ S. C. Banerjee.
Plant Physiology	{ Mr. S. N. Bal.
	{ „ J. C. Nag.

##### SIXTH-YEAR CLASS.

Special Morphology and Classification.	Mr. S. C. Banerjee.
Morphology of selected natural orders.	Dr. P. Brühl.
Plant Physiology (Continued)	{ Mr. S. N. Bal.
	{ „ J. C. Nag.
Organography	Dr. P. Brühl.
History of Botany	„ P. Brühl.
Plant Geography	{ „ P. Brühl.
	{ Mr. S. C. Banerjee.
Fossil Botany	Dr. P. Brühl.
Special lectures on Evolution and Ecology.	Mr. S. C. Banerjee.
Economical Botany	„ S. N. Bal.

Mr. S. C. Mahalanabis delivered a special course of lectures on the Application of Physical Chemistry in Plant Physiology in the latter part of the session.

## SUMMARY OF HOURS OF WEEKLY LECTURE WORK.

## LECTURE AND PRACTICAL WORK.

	5th-year.	6th-year-
Mr. J. C. Nag	4	4
Mr. S. C. Banerjee	4	4
Dr. P. Brühl	6	9
Mr. S. N. Bal	7	7

The syllabuses of the lectures in Botany by Mr. S. C. Banerjee and Plant Anatomy by Mr. J. C. Nag were printed by the University and circulated to the students.

## V. PHYSIOLOGY.

The lecturing work in Physiology was distributed as follows :—

## FIFTH-YEAR CLASS.

Physical Chemistry	...	Mr. S. C. Mahalanabis.
Studies in Immunity	...	„ S. C. Mahalanabis.
Chemical Physiology	...	„ N. C. Bhattacharyya.
Enzyme Action	...	„ N. C. Bhattacharyya.
Metabolism	...	„ N. C. Bhattacharyya.
Endocrinology	...	„ Narendramohan Bose.

## SIXTH-YEAR CLASS.

Physiology of the Nervous System. Mr. S. C. Mahalanabis.

Physiology of the Sense Organs	{	Mr. Narendramohan Bose.
Studies in Circulation and Respiration.	„	„ S. C. Mahalanabis.
Physiology of Secretion	„	„ Nibaranchandra Bhattacharyya.
Physiology of Nerve and Muscle.	„	„ Nibaranchandra Bhattacharyya.
History of Physiology	„	„ Narendramohan Bose.

The syllabuses of the lectures by Mr. S. C. Mahalanabis and Mr. N. C. Bhattacharyya were printed by the University and circulated to the students.

## VI. GEOLOGY.

## FIFTH-YEAR AND SIXTH-YEAR CLASSES.

Stratigraphy	...	Mr. E. Vredenburg.
Economic Geology	{	„ H. C. Dasgupta.
Crystallography	„	„ Saratlal Biswas.
Palæontology	{	„ Saratlal Biswas.
	„	„ E. Vredenburg.
	„	„ H. C. Dasgupta.

Laboratory work was done chiefly under the supervision of Professor Biswas. Professors Vredenburg and Dasgupta took part in the work from time to time.

Field work was done under the guidance of Professor Dasgupta. During the long vacation, the students, under the charge of Professor Dasgupta, visited part of Garhwal and of Dehra Dun.

## RESEARCH WORK AND PUBLICATIONS.

Five Research papers were published by Dr. S. K. Banerjee during the session 1918-19. These are—

(1) On some phenomena observed in the Foucault Test, *Astrophysical Journal*, July, 1918.

(2) On the forced vibrations of a heterogeneous string, *Bulletin of the Calcutta Mathematical Society*, Vol. IX, No. 1, December, 1918.

(3) On the radiation of light from the boundaries of diffracting apertures, *Philosophical Magazine*, January, 1919.

(4) On the vibrations of elastic shells partly filled with liquid, *Physical Review*, March, 1919.

(5) On Surface Waves and Tidal Waves near a Promontory, *Bulletin of the Calcutta Mathematical Society*, Vol. X, No. 1, June, 1919.

Dr. Banerji also read the following two papers before the Calcutta Mathematical Society which will shortly be published :—

(6) On the diffraction of light by a dielectric wedge.

(7) On a method of solving the wave equation in ellipsoidal co-ordinates.

A paper on "the Diffraction of Light by a perfectly reflecting cone" by Professor C. V. Raman and Dr. S. K. Banerjee is in an advanced state of progress.

Mr. Bibhuti Bhushan Datta published the following two papers :—

(1) On a transformation theorem relating to spheroidal harmonics, *Tohoku Mathematical Journal*, March, 1919.

(2) On a method for determining the non-stationary state of heat in an ellipsoid, *American Journal of Mathematics*, April, 1919.

Mr. Bholanath Pal, Sir Rashbehary Ghose Research Scholar has published a paper on the numerical calculation of the roots of the equations  $P_n^{(m)}(\mu)=0$  and  $\frac{d}{d\mu} P_n^{(m)}(\mu)=0$  regarded as equations in  $n$ . (Bulletin of the Calcutta Mathematical Society, Vol. IX, No. 2). Prof. Carslaw of the University of Sydney

has expressed considerable interest in the results obtained by Mr. Pal.

A paper on the Potentials of Uniform and Heterogeneous Elliptic Cylinders at an external point by Mr. Nikhilranjan Sen, M.A., University Lecturer, has been published in the Bulletin of the Calcutta Mathematical Society (Vol. X, No. 1, June, 1911).

A paper on the steady motion of a viscous fluid due to the rotation of two Rigid bodies about arbitrary axes, by Mr. Bijanchandra Datta, M.Sc., Research Student in Applied Mathematics, is also published in the same volume.

Mr. Abanibhushan Datta, Research Student, has solved with remarkable success a difficult problem in Hydrodynamics, namely, the problem of the determination of the figure of equilibrium of two rotating masses of liquid for Neumann's Law of Potential. This problem as is well-known was solved by Sir George Darwin for Newton's law several years ago. Mr. Datta's investigations will be published in two instalments. His first instalment of results has been published in the Bulletin of the Calcutta Mathematical Society, Vol. IX, No. 2.

The following research students also read the papers mentioned against their names before the Calcutta Mathematical Society during the session 1918-19. These will be shortly published.

(1) Mr. Bhupendrachandra Das : "On the formation of optical images by a diffracting boundary."

(2) Mr. Sasadhar Das Gupta : "Some problems on tidal oscillations in canals of variable section."

(3) Mr. Mohitmohan Ghosh : "Mathematical theory of diffraction by an elliptic aperture."

(4) Mr. Nripendranath Sen : "Liquid motion inside a rotating elliptic quadrant."

Professor C. V. Raman's "Theory of Bowed Stringed Instruments" has been published by the Indian Association for the Cultivation of Science. It is an exhaustive work setting out a new theory of the acoustics of the violin family of instruments and the experimental verification of the theory.

A paper on "The colours of the Striae in Mica," jointly by Professor C. V. Raman and Mr. P. N. Ghosh, Lecturer in Physics was published in "Nature" (14th November, 1918).

Prof. C. V. Raman has also contributed the following papers during the year under report :—

1. On the Photographic Study of Impact... "Physical Review,"  
at Minimal Velocities. December, 1918.
2. On the Diffraction-Figures due to an... "Physical Review,"  
Elliptic Aperture. April, 1919.

- |   |   |
|---|---|
| 3. On the Doppler Effect in the Molecular Scattering of adiation.   | "Nature," May, 1919.                              |
| 4. On a New Method for the Absolute Determination of Frequency (jointly with Mr. Ashutosh Dey).                                     | Proceedings of the Royal Society of London, 1919. |
| 5. On the Scattering of Light in the Refractive Media of the Eye.   | In course of publication.                         |
| 6. On the Partial Tones of Bowed Stringed Instruments.  | Ditto   |
| 7. On the Sounds of Splashes ...  | Ditto   |
| 8. On the Theory of the Pianoforte I ... (jointly with Mr. Bhabanath Banerjee)  | Ditto   |
| 9. Experiments with mechanically played ... Violins   | Ditto   |
| 10. An Experimental Method for the ... Production of Vibrations   | Ditto   |
| 11. On the Theory of the Spheroidal state ... and the Oscillations of Spheroidal drops (jointly with Mr. Rajendranath Ghosh, M.Sc.) | Ditto   |
| 12. Some Applications of Hertz's theory ... of Impact.  | Ditto   |

Mr. Phanindranath Ghosh, M.A., has contributed a paper on "The Colours of the Striae in Mica and the Radiation from Laminar Diffracting Boundaries" which was read before the Royal Society of London and is expected to be published in its Proceedings.

Mr. B. N. Chakravarti, M.Sc., Assistant to the Palit Professor of Physics has carried out an investigation on "The Diffraction of Light incident at nearly the critical angle on the Boundary between two Media" which is expected shortly to be published.

Mr. Bidhubhusan Roy, M.Sc., Palit Research Scholar carried out an investigation on the "Optical Analogue of the Whispering Gallery effect" which will shortly be published.

Mr. Bhabanath Banerjee, M.Sc., Assistant to the Palit Professor of Physics carried out an investigation on "The Chronographic Determination of Frequency" which will shortly be published.

In Chemistry the following papers have been published during the session 1918-19 :—

Sir P. C. Ray and Mercury Mercaptide Nitrites and their Re-  
 Prafullachandra action with the Alkyl Iodides. Chain com-  
 Guha. pounds of Sulphur. Parts IV, V, VI, VII.

- Sir P. C. Ray. Interaction of mercuric, platinum and cupric chlorides with organic thiocompounds.
- Sir P. C. Ray. Wandering of Hydrogen from the Alpha position to the Sulphur atom in Thiophene and Thiophene Carboxylic Acids.
- Sir P. C. Ray and Maniklal Dey. Synthesis of  $\alpha$ ,  $\beta$ -Thiocrotonic Acid.
- Sir P. C. Ray, Prafullachandra Guha and Radhakishen Das. Interaction of the Potassium Salts of Phenyl-dithio-biazoline-Sulphydrate and Thio-biazole-disulphydrate with the Halogenated Organic compounds.
- P. C. Mitter and Judhisthircandra Das. Some derivatives of Phenyl-azo-furfuranee (to be shortly communicated).
- P. C. Mitter and J. N. Sen. "Action of Phenylhydrazine on phthalaldehydic and phthalonic acids: Phenyl-Hydrazo= and azo=phthalide (Communicated to the J. C. S.).
- Dr. J. C. Ghosh. Abnormality of Strong electrolytes. Parts I, II, III, IV.
- R. L. Datta and N. R. Chatterjee. (1) Halogenation XV. Direct Iodination of Hydrocarbons by Means of Iodine and Nitric Acid. J. Amer. Chem. Soc., 39 (1917), 435-441.
- R. L. Datta and N. Prasad. (2) Halogenation XVI. Iodination by Means of Nitrogen Iodide or by Means of Iodine in the Presence of Ammonia. J. Amer. Chem. Soc., 39 (1917), 441-456.
- R. L. Datta and J. N. Sen. (3) Neutral Potassium Persulphate as a Reagent in Organic Chemistry. J. Amer. Chem. Soc., 39 (1917), 747-750.
- R. L. Datta and J. N. Sen. (4) Indirect Formation of Double Salts VI. The Double Silver, Lead, Bismuth Copper and Mercurous Halides of Substituted Ammonium Bases. J. Amer. Chem. Soc., 39 (1917), 750-759.
- R. L. Datta and H. K. Mitter. (5) Halogenation by means of Grignard's Reagent and the replacement of halogen atoms by one another. J. Amer. Chem. Soc., 41 (1919), 287-292.
- R. L. Datta and N. R. Chatterjee. (6) Iodination by means of iodine and nitric acid. J. Amer. Chem. Soc., 41 (1919), 292-295.

- R. L. Datta and J. N. Lahiri. (7) Iodination by means of nitrogen iodide and replacement of iodine atoms by nitro groups. (Communicated J. Amer. Chem. Soc.).
- R. L. Datta and H. K. Mitter. (8) The replacement of sulphonic groups by chlorine and the preparation of organic chloroderivatives. (Communicated J. Amer. Chem. Soc.).
- R. L. Datta .. (9) Process of producing Bromine (U. S. Patent of 1918).
- R. L. Datta ... (10) Process of Recovery of Sulphur (Indian Patent, 1918).
- R. L. Datta ... (11) Alkali Sulphates (Ind. Pat., 1918).
- R. L. Datta and P. S. Varma. (12) Process of producing Nitro-compounds (U. S. Pat., 1919).
- Dr. B. B. Dey .. Coumarpyridines and their employment as synthetic drugs. [Read at the Indian Science Congress, Bombay, 1919.]
- Dr. B. B. Dey and M. N. Goswami.  $\psi$ —I : 8—isonaphthoscazones [Transactions of Chemical Society, May, 1919.]
- J. N. Mookerjee and Nagendranath Sen. (1) Coagulation of metal sulphide hydrosols Part I. Influence of distances between the particles of a sol on its stability: Anomalous protective action of dissolved hydrogen sulphide. (Trans. Chem. Soc. London, Part I).

In Botany, a paper on "*Meliola* growing on *Phurria Sylvestris* and *Citrus Medica* (Var. *Acida*)" by Mr. S. N. Bal, has been published in the Journal of the Department of Science (Vol. I).

In Geology the following papers have been published :—

- E. Vredenburg . . . 1. Description of some specimens of *Pleurotoma congener*, E. D. Smith, from the Andaman Sea with special reference to certain peculiarities of the aperture. Records of the Indian Museum, Vol. XIII, Part VI, No. 19, pp. 315-320, Pt. XII, December, 1917.
2. Considerations regarding a possible relationship between the Charnochites and the Dharwars. Journ. As. Soc., Bengal, new series, Vol. XIV, pp. 433-448. 28th November, 1918.

3. Note on the occurrence of *Dolium variegatum* Lamarek at Mashat, with considerations on its geographical distribution at the present day and in former geological times. Journ. As. Soc., Bengal, new series, Vol. XIV, pp. 149-152. 7th January, 1919.
4. Observations on the shells of the family Doliidae. Memoirs of the Indian Museum, Vol. VII, No. 2, pp. 145-190, Pl. II—VIII. July, 1919.
- E. Vredenburg and H. C. Das Gupta. 5. On the occurrence of upper Palaeozoic rocks in the vicinity of Solan (near Simla). (Proc. A. S. B., 1918).
- H. C. Das Gupta ... 6. On the occurrence of limbugite in British Baluchistan (J. A. S. B., Dec., 1917).
7. On a peculiar polished hammer-stone from Singhbhum (Ind. Antiq., 1918).
8. Notes on the Panchet reptiles (Read at the sixth sitting of the Indian Science Congress and to be published short).
9. Note on a mammalian fossil from Bhavanagar (Kathiwar) (Read at the sixth sitting of the Indian Science Congress and to be published shortly).
10. Palaeontological notes on the Khasi Hills (in progress).
- S. L. Biswas ... 11. On the sphalerite from Jaunsar Bawar (Dehra Dun) (communicated to the Ind. Assoc. Cult. Sci. and to be published shortly).

#### LIBRARY.

Each of the departments of Applied Mathematics, Physics, Chemistry and Biology has got a library of its own. These libraries remain open from 11 a.m. to 5 p.m. Books are issued to students on the recommendation of their Professors. These libraries are in need of expansion. Steps are being taken to make them more useful to the Professors and students by the addition of standard books and important periodicals on the different subjects on the recommendation of the University Lecturers. As soon as the University funds will permit, an earnest endeavour will be made to get up a general Library worthy of the College of Science for which a spacious hall has been set apart. This will serve the purpose of a lending library to afford facilities of studies to the University Post-Graduate students.



## MEETINGS.

The following meetings were held during the session 1918-19:

Meetings of the Council of Post-Graduate Teaching in Science	...	6
Meetings of the Executive Committee of the Council of Post-Graduate Teaching in Science	...	11
Meetings of the Board of Higher Studies in Applied Mathematics	...	5
Meetings of the Board of Higher Studies in Physics	...	8
Meetings of the Board of Higher Studies in Chemistry	...	12
Meetings of the Board of Higher Studies in Botany	...	8
Meetings of the Board of Higher Studies in Physiology	...	4
Meetings of the Board of Higher Studies in Geology	...	5

## Post-Graduate Teachers in Science, 1918-19.

## APPLIED MATHEMATICS.

	Rs.
Prof. Sudhansukumar Banerjee, D.Sc.	500
Babu Nalinimohan Basu, M.Sc.	225
„ Saradaprasanna Das, M.A.	100
„ Bibhutibhushan Datta, M.Sc.	225
„ Sitieschandra Kar, M.A.	100
„ Karunamay Khastgir, M.Sc.	100
Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.	100
Babu Nikhilranjan Sen, M.A.	200
„ Hemchandra Sengupta, M.A.	100

## PHYSICS.

Babu Susilkumar Acharyya, M.Sc.	225
„ Charuchandra Bhattacharyya, M.A.	100
Dr. D. M. Bose, M.A., Ph.D.	500
Babu Satyendranath Bose, M.Sc.	225
„ Phanindranath Ghosh, M.A.	250
Mr. P. C. Mahalanabis, B.A.	100
Babu Dwijendrakumar Majumdar, M.A.	100
Mr. D. B. Meek, M.A., B.Sc.	100
Babu Sisirkumar Mitra, M.Sc.	225
„ Jogeschandra Mookerjee, M.A.	250
Prof. C. V. Raman, M.A.	975
(Including H.A.)	
Babu Abinashchandra Saha, M.Sc.	225
Dr. Meghnad Saha, D.Sc.	225

## CHEMISTRY.

Babu Jyotibhushan Bhaduri, M.A.	100
„ Bidhubhushan Datta, M.A.	100
Dr. Rasiklal Datta, D.Sc.	250

Dr. B. B. Dey, D.Sc.	...	100
„ Juanendrachandra Ghosh, D.Sc.	...	225
Babu Asutosh Maitra, M.A.	...	100
Dr. P. C. Mitter, M.A., Ph.D.	...	500
Babu Juanendranath Mookerjee, M.Sc.	...	225
Sir P. C. Ray, Kt., C.I.E., Ph.D., D.Sc., F.C.S.	...	900
Babu Priyadarajan Ray, M.A.	...	250
„ Pulinbihari Sarkar, M.Sc.	...	150

### BOTANY.

Mr. S. P. Agharkar	...	500
„ Surendranath Bal, M.Sc.	...	300
Babu Surendrachandra Banerjee, M.A.	...	100
Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.	...	800
Mr. J. G. Nag, B.Sc.	...	100

### PHYSIOLOGY.

Babu Nibaranchandra Bhattacharyya, M.A.	..	100
Mr. S. C. Mahalanabis, B.Sc., F.R.S.E.	..	100

### GEOLOGY.

Babu Saratlal Biswas, M.Sc.	..	200
„ Hemchandra Dasgupta	...	100
Mr. E. Vredenburg, B.Sc., A.R.S.M.	...	200

List of Teachers who are engaged in Post-Graduate work outside Calcutta.

### Chemistry—

Rai B. N. Das, Bahadur, B.Sc. (London)	..	Dacca.
Dr. Anukulchandra Sarkar, M.A., Ph.D.	...	Dacca.

H. C. BANERJI,

*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1919-20.

**No. 2.**

THE 16TH AUGUST, 1919.

## Present

The Hon'ble Sir Asutosh Mukerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

Rai Abinashchandra Bose, Bahadur, M.A.	Babu Phanindranath Ghosh, M.A.
Chinnilal Bose, Bahadur, M.B., F.C.S.	Dr. Meghnad Saha, D.Sc.
Mr. Jnanendra Ghosh, M.A.	Dr. Rasiklal Datta, D.Sc.
Prof. Sudhansukumar Banerjee, D.Sc.	Dr. B. B. Dey, D.Sc.
Babu Bibhutibhusan Datta, M.Sc.	Dr. Jnanendrachandra Ghosh, D.Sc.
Babu Siteshchandra Kar, M.A.	Prof. P. G. Mitter, M.A., Ph.D.
Babu Karunamoy Khastgir, M.Sc.	Babu Jnanendranath Mukerjee, M.Sc.
Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.	Babu Priyadarshan Ray, M.A.
Babu Susilkumar Acharyya, M.Sc.	Babu Pulindahari Sircar, M.Sc.
Babu Satyendranath Bose, M.Sc.	Mr. S. N. Bal, M.Sc.
Babu Brajendranath Chakrabarti, M.Sc.	Babu Surendrachandra Banerjee, M.A.
Babu Dwijendrakumar Majumdar, M.A.	Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.
Babu Sisirkumar Mitra, M.Sc.	Babu Niharachandra Bhattacharyya, M.A.
Babu Jogeshchandra Mukerjee, M.A.	Babu Saratlal Biswas, M.Sc.
Prof. C. V. Raman, M.A.	Babu Hemchandra Dasgupta, M.A.
Babu Abinashchandra Saha, M.Sc.	F.G.S.

The Council met to consider the Proceedings of the Executive Committee, dated the 9th August, 1919, printed copies of which had been previously circulated to all the members.

The President drew attention to the more important recommendations of the Executive Committee.

Prof. C. V. Raman moved that the Proceedings of the Executive Committee, dated the 9th August, 1919 (annexed herewith) be confirmed.

Babu Hemchandra Dasgupta seconded the motion which was put to the vote and carried unanimously.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

**Proceedings of the Executive Committee  
of the Council of Post-Graduate  
Teaching in Science  
FOR THE YEAR 1919-20**

**No 2**

THE 16TH AUGUST, 1919.

(*In Circulation.*)

The President proposed that a Committee of nine members of the Council of Post-Graduate Teaching in Science be appointed to draw up resolutions on the report of the Calcutta University Commission for consideration by the Executive Committee and for ultimate submission to the Council for discussion.

**RESOLVED—**

That the following members of the Council be appointed a Committee to draft the resolutions and submit the same to the Executive Committee within a fortnight.

Prof. C. V. Raman, M.A., *Chairman*.  
 Prof. P. C. Mitter, M.A., Ph.D.  
 Prof. Sudhansukumar Banerjee, D.Sc.  
 Babu Jyotibhushan Bhaduri, M.A.  
 Babu Hemchandra Dasgupta, M.A.  
 Babu Phanindranath Ghosh, M.A.  
 Babu Satyendranath Bose, M.Sc.  
 Dr. Meghnad Saha, D.Sc.  
 Dr. Jnanendrachandra Ghosh, D.Sc.

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President*

**H. C. BANERJI,**

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1919-20.

**No. 3.**

THE 11TH SEPTEMBER, 1919.

(*In Circulation.*)

Read the following resolutions adopted at the meeting of the Syndicate held on the 3rd September, 1919 :—

**“ RESOLVED—**

(1) That, in view of present economic conditions, a special allowance of one month's salary be paid to each Assistant in every Department of the University (including the Assistant Registrar and the Assistant Controller), subject to a minimum of Rs. 50 and maximum of Rs. 100.

(2) That, in view of present economic conditions, a special allowance of Rs. 4 a month for six months from 1st July, 1919, be paid to every menial in every department of the University.

(3) That the Governing Bodies of the University Law College and the University Science College and the Post-Graduate Executive Committees in Arts and Science be requested to approve the above proposals, so far as their respective Departments are concerned.

**RESOLVED—**

(1) That the salary for September, payable ordinarily on the 1st October, be paid on the dates the different Departments close for the Pujah Vacation.

(2) That, in the case of Assistants and menials, the salary for October be paid on the day the Office of the Registrar closes for the Pujah Vacation.”

**RESOLVED—**

That the resolutions be applied to this Department.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

# **Proceedings of the Executive Committee of the Post- Graduate Teaching in Science**

FOR THE YEAR 1919-20.

**No. 4.**

THE 18th SEPTEMBER, 1919.

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.A. and M.Sc. Examinations in Botany, 1919.

**RESOLVED—**

That the following list be published :—

**M.A. EXAMINATION, 1919.**

**BOTANY.**

*Class III.*

Sen, Mrinmayee	...	University Student (Presidency College).
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**M.Sc. EXAMINATION, 1919.**

**BOTANY.**

*Class II.*

*(In order of merit.)*

Mukhopadhyay, Nalinimohan	...	University Student.
Misra, Parasuram	.	University Student (Presidency College.)

*Class III.*

Tripathi, Bhagirathi	...	University Student.
(Confirmed.)		

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. BANERJI,**

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

FOR THE YEAR 1919-20.

**No. 5.**

THE 18TH SEPTEMBER, 1919.

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.Sc.  
Examination in Geology, 1919.

**RESOLVED—**

That the following list be published :—

**M.Sc. EXAMINATION, 1919.**

**GEOLOGY**

**CLAS II**

Sen, Sailendranath

University student.  
(Presidency College.,

(Confirmed.)

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. BANERJI,**

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

FOR THE YEAR 1919-20.

**No. 6.**

THE 27TH SEPTEMBER, 1919.

*(In Circulation.)*

Read the following Draft Resolutions of the Sub-Committee on the report of the Calcutta University Commission :—

" To

THE SECRETARY.

POST-GRADUATE COUNCIL TEACHING IN SCIENCE.

SIR,

We, the members of the Committee of the Council of Post-Graduate Teaching in Science appointed to discuss the recommendations of the Calcutta University Commission, have the honour to submit our report. We held a series of fifteen sittings to consider the recommendations of the Commission, and after prolonged discussion adopted a number of draft resolutions for submission to the Executive Committee and to the Council of Post-Graduate Teaching in Science.

Copies of the draft resolutions are enclosed.

We have the honour to be,

SIR,

Your most obedient servant,

C. V. RAMAN.  
J. BHADURI.  
P. C. MITTER.  
M. N. SAHA.  
P. N. GHOSH.  
S. N. BASU.  
S. K. BANERJI.  
H. C. DASGUPTA.



## Resolutions relating to Financial Aspect of Reform.

### *Resolution No. 1A.*

Resolved that, in our opinion, the scheme of reform proposed by the University Commission would be entirely infructuous, unless liberal financial assistance from public revenues be granted to the University and to its constituent colleges for development purposes. The most urgent demands are, in our opinion, the further equipment of the existing laboratories and libraries, the improvement of the pay and prospects of the teaching staff, and the opening out of new and useful departments of activity.

## Matters relating to the development of the Teaching University of Calcutta.

### *Resolution No. 1B.*

Resolved that, in our opinion, it is necessary that steps be taken forthwith to develop the University College of Science, at 92, Upper Circular Road, into a University College of Science and Technology on the following lines :—

(a) To the existing department of Physics be added a department of Applied Physics, comprising—

- (1) Electro-technology and Applied Electricity,
- (2) Applied Thermodynamics,
- (3) Applied Optics,
- (4) Standardisation of weights and measures, and of the various mechanical, electrical and scientific instruments used in arts and industries.

(b) To the existing department of Chemistry, be added a department of Applied Chemistry in which provision is afforded for theoretical and practical training in the principles underlying different branches of chemical industry and special training to be given on the following subjects :—

- (1) Dyeing,
- (2) Tanning,
- (3) Ceramics,
- (4) Textiles,
- (5) Fats and oils,
- (6) Coal tar and tar products.

Provision should also be made for courses of lectures and practical work in Metallurgical Chemistry.

Resolved also, that to enable the foregoing recommendations to be carried out, (a) the existing building of the University College of Science, at 92, Upper Circular Road, which is very well suited for the department of Pure and Applied Chemistry

be made over wholly to that department. (6) A site to the south and south-west of the existing building be acquired and utilized for the creation of (1) a building specially designed for the needs of the departments of Pure and Applied Physics and Applied Mathematics, (2) a well equipped up-to-date workshop and (3) a separate Scientific Library for the departments located at 92, Upper Circular Road and (4) an Astrophysical Observatory.

Resolved also that we strongly dissent from the view expressed by Drs. Zia-Uddin Ahmed and Gregory that Applied Science as divorced from Pure Science should be taught at the University College of Science. Such a divorce would be extremely wasteful and inimical to the proper development of both aspects of the subjects concerned.

Resolved also that in our opinion, it is urgently necessary that the neighbourhood of 92, Upper Circular Road, should be considered as an educational area and provision made for the residential accommodation in this area of professors and lecturers engaged in laboratory work to enable them to devote their whole time to their duties.

*Resolution No. 2.*

Resolved that in our opinion, it is necessary to constitute at an early date a Faculty of Technology in the University and to appoint an Advisory Committee for Technology on the lines proposed by the Commission.

*Resolution No. 3.*

Resolved that, in our opinion, the time has come when the University of Calcutta should take steps to institute a Faculty of Economics and Commerce forthwith in order to assist in the post-war industrial and commercial revival of Bengal, and to train up her young men to take part in these activities and not merely as subordinates in existing business houses.

*Resolution No. 4.*

Resolved that, in our opinion, the University should take steps forthwith to constitute a Faculty of Agriculture.

(a) To arrange to give a thorough theoretical and practical training in agriculture and Cognate Sciences in institutions and demonstration farms under its own control.

(b) To institute a four years' course in theoretical and practical agriculture at the end of which a Bachelor's Degree in Agricultural Science should be awarded.

(c) That these steps be taken irrespective of any action that may be taken for the foundation of a Government Agricultural institute in Bengal.

*Resolution No. 5.*

Resolved that, in our opinion, the recommendation of the Commission that the courses in mining at Sibpur be continued and extended, and that arrangements be made for teaching of metallurgy should be accepted, and further that this course should lead up to a separate degree in mining and metallurgy.

**Matters relating to the constitution of the University.**

*Resolution No. 6.*

Resolved that, in our opinion, the first Vice-Chancellor of the University under the new scheme should be appointed for a period not exceeding five years, and that subsequent appointments should be made by the Court of the University for a similar period on each occasion.

*Resolution No. 7.*

Resolved that, in our opinion, in the proposed constitution of an Executive Commission to carry out the important work of the reconstruction of the University of Calcutta, it is imperatively necessary that provision should be made for an adequate representation of the views and personnel of the existing University bodies, and to ensure this, the present Senate of the Calcutta University should be asked to nominate as its representatives on the Executive Commission, not less than five members out of the nine, the other four being (1) the new Vice-Chancellor, (2) the Treasurer (3) one Representative of the Government of Bengal and (4) one representative of Industry and Commerce.

Resolved also, that the proposed Executive Commission should sit for a period not exceeding three years, after which period it should be replaced by an Executive Council of 19 members constituted in the regular manner.

*Resolution No. 8.*

Resolved that, in our opinion, the constitution of the Executive Council of the University proposed by the Commission is not satisfactory as it does not recognise the elective principle to a sufficient extent. We are accordingly of opinion that it should be constituted as follows :-

- (a) The Vice-Chancellor and the Treasurer *ex-officio*.
- (b) Two members appointed by the Government of Bengal.
- (c) Two members appointed by the Chancellor.

(d) Three members appointed by the Court, and none of these to be a salaried officer of the University or of any Institution connected with the University.

(e) Five University Teachers appointed by the Academic Council, one to represent each of the Faculties of Arts, Science, Law, Engineering and Medicine.

(f) One head of a College outside Calcutta to be appointed by the Board of Mofussil Colleges.

(g) Two heads of Colleges to be elected from amongst themselves.

(h) One member to be appointed by the Board for Women's Education.

(i) One member to be appointed by the Executive Council to represent industry, commerce or agriculture.

### **Matters relating to University Appointments.**

#### *Resolution No. 9.*

Resolved that, in our opinion, the nomination of three persons of eminent authority in any particular subject to sit on the proposed Selection Committees for making appointments of professors and readers in the University being an academic matter, it should rest with the proposed Academic Council, and not with the Chancellor. Provision should be made in the statute that at least two of such persons should be representatives of expert opinion outside the Calcutta University.

#### *Resolution No. 10.*

Resolved that we strongly disapprove of the proposal that the Presidency chairs proposed to be created in the University should be filled by Selection Committees sitting in England. Such a proposal would place suitable candidates available in India at a great disadvantage in regard to these appointments. In our opinion, these chairs should be filled in exactly the same way as all other University appointments, and there is no reason whatsoever for any special departure being made from the general rules in this respect.

#### *Resolution No. 11.*

Resolved that, in our opinion, all teaching posts in the University should be on graded rates of pay.

#### *Resolution No. 12.*

Resolved that we strongly disapprove of the suggestion that the Selection Committee for filling teaching appointments in the

University should necessarily include representatives of various communal interests.

### **Matters relating to University Legislation.**

#### *Resolution No. 13.*

Resolved that, in our opinion, the Senate of the Calcutta University should have the privilege of nominating a representative to sit as an Additional Member of the Imperial Legislative Council and on the Select Committee of the Legislative Council when legislation regarding the Calcutta University is under consideration.

### **Matters relating to Communal representation in the University.**

#### *Resolution No. 14.*

Resolved that while agreeing to the view that representatives of Mahomedan views and interests should ordinarily find a place in the bodies of the University we are strongly of opinion that the electorates in the University should be left free to elect the best man irrespective of community or religion, and if election fails to secure the requisite Mahomedan representation, the onus of making up the deficiency should rest with the Chancellor under the power of nomination vested in him. There should be no hard and fast rules in his respect.

### **Matters relating to the Position of existing Government Colleges in the Reconstituted University.**

#### *Resolution No. 15.*

Resolved while agreeing to the principle proposed by the Commission that the property of the Presidency College should be vested in Trustees, we are strongly of opinion, that the Vice-Chancellor and the Treasurer of the University should be *ex-officio* members of the Trust and the number of the trustees should not exceed nine and should include representatives of Hindu and Musalman interests, and also two representatives of the original founders of the college.

Resolved that the Vice-Chancellor, Dean of the Faculty of Science, and Dean of the Faculty of Arts should be *ex-officio* members of the Governing Body of the college and that the Governing Body should include three elected representatives of the teaching staff of the college and also some representatives of the trustees of the colleges and of the original founders of the

college, the other members to be nominated by the Chancellor of the University.

Resolved also, that the method of filling up future vacancies in the staff of the Presidency College should be exactly similar to those adopted in the case of other teachers in the University.

*Resolution No. 16.*

Resolved that the constitution of the Governing Body of the Sibpur Engineering College proposed by the Commission should be further amended so as to secure adequate representation of Indian views and interests. We propose that the Governing Body should consist of the following :—

(1) One member appointed by the Government of India to represent the Imperial Department of Industries, if such a Department is created.

(2) Seven members appointed by the Government of Bengal, provision being made for the representation of the Public Works Department, the Department of Public Instruction, the provincial Department of Industries, if established, Railways, Engineering, Industries, Mining and Architecture.

(3) The Principal of the College, *ex-officio*.

(4) Two members appointed by the Academic Board of the College.

(5) The Vice-Chancellor of the University, or if he is unable to serve some person appointed to act in his stead by the Executive Council of the University and one other University representative appointed by the Executive Council.

(6) One person co-opted by the Governing Body to represent Engineering Industries (if the Governing Body constitute a Board of Visitors, this person to be elected by that Board).

(7) One person appointed by the Indian Institute of Engineers, when constituted.

(8) One person appointed by the Mining and Geological Institute.

(9) One person appointed by the Indian Mining Federation.

(10) One person appointed by the Bengal National Chamber of Commerce to represent Indian Industrial interests.

(11) One person appointed by the Marwari Chamber of Commerce to represent Indian Industrial interest.

(12) Two persons elected by the Faculty of Science in the University.

(13) Two persons elected by the Faculty of Technology in the University.

(14) One person by Bengal Chamber of Commerce.

### **Matters relating to the Proposed Board of Intermediate and Secondary Education.**

#### *Resolution No. 17.*

Resolved that, as the success of the whole scheme of Secondary and intermediate education depends entirely upon an intimate knowledge of Indian conditions and sympathy with Indian aspirations, we are strongly of opinion that the President of the Board of Secondary Education should be an Indian of high academic and administrative qualifications and that Board should be constituted as follows : —

- (1) The President.
- (2) The Director of Public Instruction.
- (3) One member to be elected by non-official Members of the Legislative Council.

(4) Seven University representatives (5 of Calcutta and 2 of Dacca).

(5) Two representatives of heads of Calcutta Intermediate Colleges to be elected by heads of Intermediate Colleges in Bengal.

(6) Not more than six members to be appointed by the Government of Bengal and chosen on the ground of their special knowledge of education and with a view to the representation of the following categories of experience, if not otherwise provided for :—

Agriculture,  
Industry and Commerce,  
Medicine and Public Health,  
Teaching in Intermediate Colleges and in Secondary  
Schools,

The education of girls,

The educational interests of the domiciled community.

The majority to be non-official.

#### *Resolution No. 18.*

Resolved that in view of the fact that the Intermediate College Examination would qualify candidates for admission into the University and also in view of the fact that a large proportion of the candidates who pass that examination are likely to

join the University we are strongly of opinion that Intermediate College Examination should be managed by a joint body appointed annually (in equal proportions) by the University and by the Board of Secondary and Intermediate Education.

*Resolution No. 19.*

Resolved that, in our opinion, it is entirely unnecessary and undesirable to recruit a body of English men and women to carry on teaching in Intermediate Colleges. The reasons urged for the creation of such a corps are in our opinion entirely unconvincing. In the first place, it would impose an excessively heavy and disproportionate financial burden on the educational resources of the country. Secondly, it would cripple the legitimate aspirations of Indian teachers and reduce the funds available for their payment. Thirdly, it would tend to accentuate and deepen racial antipathies and thus prejudice the efficiency of teaching. Fourthly, it would be very difficult, as such men would belong to a special corps necessarily drawing a higher salary, for an Indian Principal to control them and keep them in their proper places. Fifthly, the work that it is proposed to entrust to such men could be equally well or better done by Indians. Indian teachers could be trained in very large numbers to undertake room of any desired description, partly in training Colleges established in the country, and partly, if necessary, by being deputed abroad to various foreign countries for short periods to enable them to obtain first-hand acquaintance with methods adopted elsewhere. Sixthly, the Commission, in our opinion attach an altogether undue importance to the question of the phonetic study of languages. Such a study may possess an academic interest, but in the great majority of cases, it is not of much practical importance.

*Resolution No. 20.*

Resolved that, in our opinion, the scheme of staffing intermediate colleges on the basis of teacher to 30 students is financially altogether impracticable, the great expense which it would mean practically involving the closing down of almost all the colleges of Bengal; the expense would be altogether out of proportion to increased efficiency that might result therefrom. Under existing conditions, 150 students per teacher are allowed in mass lectures in the intermediate stage and 50 students in the school stage. In our opinion, it would be sufficient if provisions were made to have 1 teacher to 50 students in intermediate colleges, and to go further than this appears to us to be superfluous.



*Resolution No. 21.*

Resolved that, in our opinion, in view of the special difficulties under which Muffassal Colleges labour, the condition that intermediate and graduate teaching should be carried on in separate buildings and under separate agencies should not be insisted on in their cases.

*Resolution No. 22.*

Resolved that, in our opinion, we consider it absolutely necessary that there should be an examination in natural science in the high schools examination.

*Resolution No. 23.*

Resolved that 15 should be the minimum age in all cases for admission to the high school examination.

### **Matters relating to Examination Reform.**

*Resolution No. 24.*

Resolved that the constitution of an Examination Board as recommended by the Commission be approved subject to the condition that it is a body to be elected by the Academic Council."

RESOLVED---

That the resolutions be placed before the Council of Post-Graduate Teaching in Science for discussion.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

**FOR THE YEAR 1919-20.**

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**No. 7.**

**THE 27TH SEPTEMBER, 1919.**

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.A. and M.Sc. Examinations in Physics, 1919.

**RESOLVED—**

“ That the following lists be published :—

**M.A. EXAMINATION, 1919.**

**PHYSICS.**

**GROUP C.**

*Class I.*

Datta, Gobardhanlal	...	University Student (Presidency College.)
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*Class III.*

Bhattacharyya, Lalitmohan	...	Non-Collegiate Student.
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**M.Sc. EXAMINATION, 1919.**

**PHYSICS.**

**GROUP B.**

*Class I.*

(In order of merit.)

J. C. Kameswara Rao	...	University Student.
Sengupta, Jnanendranath	...	Ditto.

*Class II.*

Sen, Nareschandra ... Non-Collegiate Student.

*GROUP C.**Class I.*

(In order of merit.)

Chattopadhyay, Gauripati ... University Student  
(Presidency College.)

Chaudhuri, Sasankasekhar ... Ditto.

Sengupta, Mohitmohan ... Ditto.

Ray, Surendranath ... Ditto.

Ray, Satyendranath ... Ditto.

*Class II.*

(In order of merit.)

Ray, Dhirendranath ... University Student  
(Presidency College.)

Mukhopadhyay, Sudhindramohan ... Ditto.

Mitra, Surendranath ... Ditto.

Sarkar, Abaninath ... Ditto.

Sarkar, Hirendralal ... Ditto.

Bandyopadhyay, Sanatkumar ... University Student.

Biswas, Sudhabindhu ... Ditto.

Barma, Sachindramohan ... University Student  
(Dacca College.)

{ Basu, Bhupendrakisor ... University Student.

{ Sen, Satibhushan ... University Student  
(Presidency College.)

Sen, Asutosh ... University Student  
(Dacca College.)

*Class III.*

(In order of merit.)

Ray, Tarunkumar ... University Student  
(Presidency College.)

Datta, Phanindrakumar ... University Student.  
(Dacca College.)

Basu, Sudhirschandra ... University Student  
(Presidency College.)

Datta, Sisirkumar ... Ditto.

Das, Sudhenduprasad ... Non-Collegiate  
Student.

Sukanta Rao ... University Student  
(Presidency College.)

## GROUP D.

*Class I.*

(In order of merit.)

Ghosh, Satyendrakumar	...	University Student.
{ Chakrabarti, Makhanlal	...	Ditto.
{ Mukhopadhyay, Dhirendranath	...	Non-Collegiate Student.
Raychoudhuri, Susilchandra	...	Ditto.

*Class II.*

Ray, Jogendranath	...	Non-Collegiate Student.
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*Class III.*

Mukhopadhyay, Binaykrishna	...	University Student.
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(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

# Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1919-20.

No. 8.

THE 30TH SEPTEMBER, 1919.

(In Circulation.)

Read the Report of the Board of Examiners for the M.A. and M.Sc. Examinations in Mixed Mathematics, 1919.

RESOLVED—

That the following lists be published :—

## M.Sc. EXAMINATION, 1919.

### MIXED MATHEMATICS.

#### CLASS I.

(In order of merit.)

{ Sengupta, Birendranath	...	Non-Collegiate Student.
{ Sinha, Harischandra	...	University Student.
Basu, Nalinikanta	...	University Student
		(Presidency College).
Acharyya, Mangalkumar	...	University Student.
Mitra, Harendranath	...	Ditto.
Das, Surendranath	...	Ditto.
Mukhopadhyay, Jatindranath	...	Non-Collegiate Student.
Nag, Umeschandra	...	Ditto.

#### CLASS II.

(In order of merit.)

Mitra, Prabodhchandra	...	University Student.
Sengupta, Binaykrishna	...	Ditto.

## CLASS III.

*(In order of merit.)*

Bhattacharyya, Satischandra	...	University Student.
Ray, Kesabnath	...	Ditto.

## M.A. EXAMINATION, 1919.

## MIXED MATHEMATICS.

## CLASS I.

*(In order of merit.)*

Dasgupta, Sukumarranjan	...	Non-Collegiate Student.
Siromani, Brajendralal	...	Ditto.
Sarkar, Narendranath	...	University Student. (Presidency College.)

## CLASS II.

*(In order of merit.)*

{ Bhattacharyya, Badarikanath	...	University Student.
" Harendranath		Ditto.
Datta, Sailendraprasad	...	University Student (Presidency College.)
Gupta, Rabindranath	...	University Student.
Bandyopadhyay, Sisirkumar	...	University Student (Presidency College.)

## CLASS III.

Bandyopadhyay, Rabindranath	University Student.
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(Confirmed.)

ASUTOSH MOOKERJEE,

H. C. BANERJI,

*President.**Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

FOR THE YEAR 1919-20.

**No. 9.**

THE 8TH NOVEMBER, 1919.

*(In Circulation.)*

Read the Report of the Board of Examiners for the M.Sc.  
Examination in Physiology, 1919.

**RESOLVED—**

That the following list be published :—

## **M.Sc. EXAMINATION, 1919.**

### **PHYSIOLOGY.**

#### **CLASS I.**

Hajra, Birendranath ... Non-Collegiate Student.

#### **CLASS II.**

*(In order of merit.)*

Sen, Parimalbikas	... University Student (Presidency College.)
Ghosh, Chandi Charan	... Non-Collegiate Student.

**(Confirmed.)**

**ASUTOSH MOOKERJEE,**

*President.*

**H. C. BANERJI,**

*Secretary.*

**Proceedings of the Executive Committee  
of the Council of Post-Graduate  
Teaching in Science**

**FOR THE YEAR 1919-20.**

**No. 10.**

**THE 8TH NOVEMBER, 1919.**

*(In circulation.)*

Read the Report of the Board of Examiners for the M.A.  
and M.Sc. Examinations in Chemistry, 1919.

**RESOLVED—**

That the following list be published :—

**M.Sc. EXAMINATION, 1919.**

**CHEMISTRY B (INORGANIC CHEMISTRY THESIS.)**

**CLASS II.**

Gupta, Lilananda ... Non-Collegiate Student.

**CHEMISTRY (ORGANIC CHEMISTRY THESIS.)**

**CLASS I.**

*(In order of merit.)*

Ray, Jnanendranath	... Non-Collegiate Student.
Dalal, Haridas	... University Student (Presidency College).
Misra, Lokanath	... University Student.

**CLASS II.**

Das, Judhisthircandra ... University Student.



## CHEMISTRY.

## CLASS I.

*(In order of merit.)*

Mitra, Panchkari	..	University Student.
Parkayastha, Rukminimohan	...	University Student (Presidency College).

## CLASS II.

*(In order of merit.)*

Bardhan, Jogendrachandra	...	University Student (Presidency College).
Bandyopadhyay, Banikanta		University Student (Dacca College).
Ghoshal, Subimalchandra		Non-Collegiate Student.
{ Chaudhuri, Saradacharan		University Student.
{ Gangopadhyay, Kshudiram		Ditto.

## CLASS III.

*(In order of merit.)*

Bhaumik, Jagadischandra	..	Non-Collegiate Student.
Sen, Praphullakumar	..	University Student.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

# **Proceedings of the Executive Committee of the Council of Post-Graduate Teaching in Science**

FOR THE YEAR 1919-20.

**No. 11.**

THE 15TH NOVEMBER, 1919.

## **Present :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L.,  
D.Sc., Ph.D., *President, in the Chair.*

Mr. J. C. Ghosh, M.A.	Prof. P. C. Mitter, M.A., Ph.D.
Rai Abinashchandra Bose, Bahadur, M.A.	Prof. P. Bruhl, D.Sc., I.S.O., F.G.S., F.G.S.
Prof. Sudhansukumar Banerjee, D.S.	Babu Surendrachandra Banerjee, M.A.
Prof. C. V. Raman, M.A.	Babu Nibaranachandra Bhattacharyya, M.A.
Babu Charuchandra Bhattacharyya, M.A.	Babu Hemchandra Dasgupta, M.A., F.G.S.
Babu Jyotibhushan Bhaduri, M.A.	

Read a copy of letter No. 1075 from the Secretary to the Government of India, Education Department, to the Secretary to the Government of Bengal, Education Department, dated the 30th September, 1919, forwarded by the Assistant Director of Public Instruction, Bengal, conveying the sanction of the Government of India to the exemption of the Professors and Demonstrators of the Presidency College, Calcutta, employed on Post-Graduate Work of the Calcutta University, from the operation of note I under article 783 and note to article 386, Civil Service Regulations.

## **ORDERED—**

To be recorded.

Read an application from Babu Pulinbihari Sarkar, University Lecturer in Chemistry, for leave for the month of November, on the ground of ill-health, supported by medical certificate.

**RESOLVED—**

That leave be granted on full pay.

Read a letter from Dr. N. N. Sengupta forwarding an extract from the Minutes of the Syndicate, permitting Mrigankabhushan Bose to prosecute his B.Sc. Studies in the Laboratories of Experimental Psychology, Zoology and Botany and requesting to let him know the fees to be paid by the student.

**RESOLVED—**

That a fee of Rs. 6 a month be charged.

Read two applications from Nrisinhalal Dhar and N. G. Srinivasan who could not sit for all the papers at the last M.Sc. Examination in Chemistry and Physics respectively owing to ill-health, for permission to work in the Science College Laboratory as regular students.

**RESOLVED—**

That the applications be granted, and that half the usual fee for six months be charged in each case.

Read applications supported by certificates for Free-Studentships, from Radhaballav Karmakar (University College, Physics), Jitendrachandra Sen (Presidency College, Chemistry), and Suryyakanta Mookerjee (Presidency College, Physics).

**RESOLVED—**

That the applications be granted.

Read the following Proceedings of the Board of Higher Studies in Physics, dated the 8th September, 1919.

**“RESOLVED—**

That Mr. W. A. Jenkins, M.A., University Lecturer in Physics at Dacca, be elected as a co-opted member of the Board of Higher Studies in Physics, under section 19 (c) of Chapter XI of the Regulations.

**RESOLVED—**

That Prasadchandra Chakrabarti be admitted to the Fifth-year Class in Physics as an attached student of the University College of Science, in the place of Bimalaprasanna Bose who had joined the Sibpur Engineering College.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 2nd September, 1919.

**“ RESOLVED—**

That the thesis of Lilananda Gupta be examined by Professor J. B. Bhaduri, M.A.

That the theses in Organic Chemistry be examined by Dr. P. C. Mitter, M.A., Ph.D.

That the papers in Inorganic Chemistry be examined as follows :—

Special—Professor J. B. Bhaduri.  
 „ Babu Priyadarajan Ray.  
 General—Professor B. B. Datta.  
 „ Mr. P. B. Sirkar.

That the papers in Organic Chemistry be examined as follows :—

Special—Dr. B. B. Dey.  
 „ „ R. L. Datta.  
 General „ A. Sirkar.  
 „ „ P. C. Mitter.

That the papers in Physical Chemistry be examined as follows :—

Special—Professor A. Maitra.  
 „ „ J. B. Bhaduri.  
 General—Mr. B. N. Das.  
 „ Professor J. B. Bhaduri.”

**RESOLVED—**

That the Proceedings be confirmed.

Read the following Proceedings of the Board of Higher Studies in Chemistry, dated the 8th September, 1919.

**“ RESOLVED—**

That Rai Bahadur B. N. Das, M.A., B.Sc., and Dr. Anukul-chandra Sircar, M.A., Ph.D., University Lecturers in Chemistry at Dacca, be elected as co-opted members of the Board of Higher Studies in Chemistry, under section 19(c) of Chapter XI of the Regulations.

**RESOLVED—**

That Dwijendranath Sircar be admitted to the Fifth-year Class in Chemistry as an attached student of the University College of Science.”

**RESOLVED—**

That the Proceedings be confirmed.

The Secretary reported that two bills from Messrs. Cambray & Co., amounting to Rs. 199-6 annas and Rs. 675-10 annas on account of books supplied to the Departments of Chemistry and Botany respectively, had already been passed by the Hon'ble the President.

**RESOLVED—**

That the action taken be approved.

The Secretary submitted the following bills :—

(i) From Messrs. MacMillan & Co., for Rs. 28-11 annas on account of books supplied to the Botanical Department.

(ii) From Messrs. Thacker, Spink & Co., for Rs. 12-8 annas for books supplied to the Botanical Department.

(iii) From Messrs. Chakrabarti, Chatterjee & Co., for Rs. 12-1 annas for books supplied to the Chemical Laboratory.

**RESOLVED—**

That the bills be passed.

The Secretary enquired whether refund of fees already paid were to be allowed to students to whom Free-studentships had been awarded for the year 1919-20.

**RESOLVED—**

That the question be answered in the affirmative.

The Secretary reported that furniture amounting to Rs. 366-8 annas 6 pies had been purchased for his office by order of the Hon'ble the President.

**RESOLVED—**

That the bill of Mr. R. K. Day be passed.

Read an application from Dr. Meghnad Saha, who had been awarded a Guruprasanna Ghosh Scholarship, for leave of absence for three years on a monthly allowance that may be sanctioned by the Executive Committee for meeting his expenses for Study abroad.

**RESOLVED—**

(i) That leave be granted for three years on a monthly allowance of Rs. 100, on condition that Dr. Saha, on his return, will continue to serve the University for a term of three years.

(ii) That the Boards of Higher Studies in Applied Mathematics and Physics be asked to make necessary arrangements to carry on the work assigned to Dr. Saha.

The Secretary reported that a bill from Mansurali, Duftri, amounting to Rs. 136-8-0 for binding Chemical Journals bequeathed to the Science College by the late Rai Abhay-charan Sanyal, Bahadur of Benares, had been passed by the Hon'ble the President.

**RESOLVED—**

That the action taken be approved.

The Secretary submitted a bill from Messrs. Butterworth and Co., for Rs. 11-6-0 for books supplied to the Zoological Department.

**RESOLVED—**

That the bill be passed.

The Secretary reported that the President had requested the Board of Accounts to make the following provision in the Budget for 1919-20, in modification of the estimates previously submitted. (Executive Committee, 11th June, 1919):—

			Rs.
Professors & Teachers ..	...	...	84,300
Secretary ..	...	...	6,000
Assistants ..	...	...	2,600
Duftries & Bearers ..	...	...	900
Contingencies & Stationery ..	...	...	1,000
Furniture ..	...	...	750
Books & Periodicals ..	...	...	8,000
Provident Fund ..	...	...	3,075

**RESOLVED—**

That the action taken be approved.

(Confirmed.)

ASUTOSH MOOKERJEE,  
*President.*

H. C. BANERJI,  
*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1919-20.

**No. 3.**

THE 10TH DECEMBER, 1919.

**Present:**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph. D.,  
*President, in the Chair*

The Hon'ble Sir Nibratan Sircar, Kt., M.A., M.D.	Babu Hemchandra Dasgupta, M.A., F.G.S.
Rai A. C. Bose, Bahadur, M.A.	Dr. B. B. Dey, D.Sc.
Rai Chunilal Bose, Bahadur, M.B., F.C.S.	Babu Phanindranath Ghosh, M.A.
Mr. Juanchandra Ghosh, M.A.	Babu Sureschandra Kar, M.A.
Babu Sankilkumar Acharyya, M.Sc.	Babu Karunamay Khastgir, M.Sc.
Mr. S. N. Bal, M.Sc.	Mr. P. C. Mahalanabis, B.A.
Prof. Sudhansukumar Banerjee, D.Sc.	Babu Wijendrakumar Majumdar, M.A.
Babu Charuchandra Bhattacharyya, M.A.	Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.
Babu Nibaranachandra Bhattacharyya, M.A.	Mr. K. Mitra, B.A.
Babu Saratlal Biswas, M.Sc.	Dr. P. O. Mitter, M.A., Ph.D.
Prof. D. M. Bose, M.A., Ph. D.	Babu Sisirkumar Mitra, M.Sc.
Babu Nalinimohan Bose, M.Sc.	Babu Jogeschandra Mookerjee, M.A.
Babu Satyendranath Bose, M.Sc.	Prof. C. V. Raman, M.A.
Dr. P. Brihl, D.Sc., I.S.O., F.C.S., F.G.S.	Babu Priyadarajan Ray, M.A.
Babu Brajendranath Chakrabarti, M.Sc.	Babu Abinashchandra Saha, M.Sc.
	Dr. Moghnad Saha, D.Sc.
	Babu Pulinbilhari Sarkar, M.Sc.
	Babu Hemchandra Sengupta, M.A.
	Mr. G. C. Bose, M.A.
	Dr. J. Watt, M.A., D.D.

Prof. C. V. Raman moved that the Proceedings of the Executive Committee, dated the 16th August, 1919, 11th September, 1919, 18th September, 1919, 27th September, 1919, 30th September, 1919, 8th November, 1919 and 15th November, 1919 be confirmed.

Dr. P. C. Mitter seconded the motion which was put to the vote and carried.

(Confirmed.)

ASUTOSH MOOKERJEE,  
*President.*

H. C. BANERJI,  
*Secretary.*

# Proceedings of the Council of Post-Graduate Teaching in Science

FOR THE YEAR 1919-20.

No. 4.

THE 10TH DECEMBER, 1919.

(*Special Meeting.*)

**Present :**

The Hon'ble Sir Asutosh Mookerjee, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.,  
*President, in the Chair.*

The Hon'ble Sir Nilratan Sircar, Kt., M.A., M.D.	Prof. C. V. Raman, M.A.
Rai A. C. Bose, Bahadur, M.A.	Babu Abinashchandra Saha, M.Sc.
Rai Ghunilal Basu, Bahadur, M.B., F.C.S.	Dr. Meghnad Saha, D.Sc.
Mr. Jnanchandra Ghosh, M.A.	Dr. B. B. Dey, D.Sc.
Prof. Sndhansukumar Banerjee, D.Sc.	Dr. P. C. Mitter, M.A., Ph.D.
Babu Nalinimohan Bose, M.Sc.	Babu Priyadarshan Ray, M.A.
Babu Karunamay Khastgir, M.Sc.	Babu Palibihari Sarkar, M.Sc.
Dr. D. N. Mallik, B.A., Sc.D., F.R.S.E.	Mr. S. N. Bal, M.Sc.
Babu Hemchandra Sengupta, M.A.	Dr. P. Brühl, D.Sc., I.S.O., F.C.S., F.G.S.
Babu Susilkumar Acharyya, M.Sc.	Babu Nibaranchandra Bhattacharyya, M.A.
Babu Charuchandra Bhattacharyya, M.A.	Babu Suratlal Biswas, M.Sc.
Babu Satyendranath Bose, M.Sc.	Babu Hemchandra Dasgupta, M.A., F.G.S.
Babu Phanindranath Ghosh, M.A.	Mr. K. Mitra, B.A.
Prof. D. M. Bose, M.A., Ph.D.	Mr. G. C. Bose, M.A.
Mr. P. C. Mahalanabis, B.A.	Dr. J. Watt, M.A., D.D.
Babu Dwijendrakumar Majumdar, M.A.	Babu Brujendranath Chakrabarti, M.Sc.
Babu Sisirkumar Mitra, M.Sc.	Babu Sitieschandra Kar, M.A.
Babu Jogeschandra Mookerjee, M.A.	

The Council met to consider the Proceedings of the Executive Committee, dated the 27th September, 1919, re the draft resolutions of the Sub-Committee on the report of the Calcutta University Commission.



"Read the following Draft Resolutions of the Sub-Committee on the report of the Calcutta University Commission :—

"To

THE SECRETARY,

COUNCIL OF POST-GRADUATE TEACHING IN SCIENCE.

SIR,

We, the members of the Committee of the Council of Post-Graduate Teaching in Science appointed to discuss the recommendations of the Calcutta University Commission, have the honour to submit our report. We held a series of fifteen sittings to consider the recommendations of the Commission, and after prolonged discussion adopted a number of draft resolutions for submission to the Executive Committee and to the Council of Post-Graduate Teaching in Science.

Copies of the draft resolutions are enclosed.

We have the honour to be,

SIR,

Your most obedient servants,

C. V. RAMAN.

J. BHADURI.

P. C. MITTER.

M. N. SAHA.

P. N. GHOSH.

S. N. BASU.

S. K. BANERJI.

H. C. DASGUPTA.

### **Resolutions relating to Financial Aspect of Reform.**

#### *Resolution No. 1A.*

Resolved that, in our opinion, the scheme of reform proposed by the University Commission would be entirely infructuous, unless liberal financial assistance from public revenues be granted to the University and to its constituent colleges for development purposes. The most urgent demands are, in our opinion, the further equipment of the existing laboratories and libraries, the improvement of the pay and prospects of the teaching staff, and the opening out of new and useful departments of activity.

#### *Matters relating to the development of the Teaching University of Calcutta.*

#### *Resolution No. 1B.*

Resolved that, in our opinion, it is necessary that steps be taken forthwith to develop the University College of Science,

at 92, Upper Circular Road, into a University College of Science and Technology on the following lines :—

(a) To the existing department of Physics be added a department of Applied Physics, comprising—

- (1) Electro-technology and Applied Electricity,
- (2) Applied Thermodynamics,
- (3) Applied Optics,
- (4) Standardisation of weights and measures, and of the various mechanical, electrical and scientific instruments used in arts and industries.

(b) To the existing department of Chemistry, be added a department of Applied Chemistry in which provision is afforded for theoretical and practical training in the principles underlying different branches of chemical industry and special training to be given on the following subjects :—

- (1) Dyeing,
- (2) Tanning,
- (3) Ceramics,
- (4) Textiles,
- (5) Fats and oils,
- (6) Coal tar and tar products.

Provision should also be made for courses of lectures and practical work in Metallurgical Chemistry.

Resolved also, that to enable the foregoing recommendations to be carried out, (a) the existing building of the University College of Science, at 92, Upper Circular Road, which is very well suited for the department of Pure and Applied Chemistry be made over wholly to that department ; (b) a site to the south and south-west of the existing building be acquired and utilized for the erection of (1) a building specially designed for the needs of the departments of Pure and Applied Physics and Applied Mathematics, (2) A well equipped up-to-date workshop, (3) a separate Scientific Library for the departments located at 92, Upper Circular Road and (4) an Astrophysical observatory.

Resolved also that we strongly dissent from the view expressed by Drs. Zia-Uddin Ahmed and Gregory that Applied Science as divorced from Pure Science should be taught at the University College of Science. Such a divorce would be extremely wasteful and inimical to the proper development of both aspects of the subjects concerned.

Resolved also that in our opinion, it is urgently necessary that the neighbourhood of 92, Upper Circular Road, should

be considered as an educational area, and provision made for the residential accommodation in this area of professors and lecturers engaged in laboratory work to enable them to devote their whole time to their duties.

*Resolution No. 2.*

Resolved that, in our opinion, it is necessary to constitute at any early date a Faculty of Technology in the University and to appoint an Advisory Committee for Technology on the lines proposed by the Commission.

*Resolution No. 3.*

Resolved that, in our opinion, the time has come when the University of Calcutta should take steps to institute a Faculty of Economics and Commerce forthwith in order to assist in the post-war industrial and commercial revival of Bengal, and to train up her young men to take part in these activities and not merely as subordinates in existing business houses.

*Resolution No. 4.*

Resolved that, in our opinion, the University should take steps forthwith to constitute a Faculty of Agriculture.

(a) To arrange to give a thorough theoretical and practical training in agriculture and Cognate Sciences in institutions and demonstration farms under its own control.

(b) To institute a four years' course in theoretical and practical agriculture at the end of which a Bachelor's Degree in Agricultural Science should be awarded.

(c) That these steps be taken irrespective of any action that may be taken for the foundation of a Government Agricultural institute in Bengal.

*Resolution No. 5.*

Resolved that, in our opinion, the recommendation of the Commission that the courses in mining at Sibpur be continued and extended, and that arrangements be made for teaching of metallurgy should be accepted, and further that this course should lead up to a separate degree in mining and metallurgy.

**Matters relating to the constitution of the University.**

*Resolution No. 6.*

Resolved that, in our opinion, the first Vice-Chancellor of the University under the new scheme should be appointed for a period not exceeding five years, and that subsequent appointments should be made by the Court of the University for similar period on each occasion.

*Resolution No. 7.*

Resolved that, in our opinion, in the proposed constitution of an Executive Commission to carry out the important work of the reconstruction of the University of Calcutta, it is imperatively necessary that provision should be made for an adequate representation of the views and personnel of the existing University bodies, and to ensure this, the present Senate of the Calcutta University should be asked to nominate as its representatives on the Executive Commission, not less than five members out of the nine, the other four being (1) the new Vice-Chancellor, (2) the Treasurer, (3) one Representative of the Government of Bengal, and (4) one Representative of Industry and Commerce.

Resolved also, that the proposed Executive Commission should sit for a period not exceeding three years, after which period it should be replaced by an Executive Council of 19 members constituted in the regular manner.

*Resolution No. 8.*

Resolved that, in our opinion, the constitution of the Executive Council of the University proposed by the Commission is not satisfactory as it does not recognise the elective principle to a sufficient extent. We are accordingly of opinion that it should be constituted as follows :—

- (a) The Vice-Chancellor and the Treasurer, *ex-officio*.
- (b) Two members appointed by the Government of Bengal.
- (c) Two members appointed by the Chancellor.
- (d) Three members appointed by the Court, and none of these to be a salaried officer of the University or of any Institution connected with the University.
- (e) Five University Teachers appointed by the Academic Council, one to represent each of the Faculties of Arts, Science, Law, Engineering and Medicine.
- (f) One head of a College outside Calcutta to be appointed by the Board of Mofussil Colleges.
- (g) Two heads of Colleges to be elected from amongst themselves.
- (h) One member to be appointed by the Board for Women's Education.
- (i) One member to be appointed by the Executive Council to represent industry, commerce or agriculture.

### **Matters relating to University Appointments.**

#### *Resolution No. 9.*

Resolved that, in our opinion, the nomination of three persons of eminent authority in any particular subject to sit on the proposed Selection Committees for making appointments of professors and readers in the University being an academic matter, it should rest with the proposed Academic Council, and not with the Chancellor. Provision should be made in the statute that at least two of such persons should be representatives of expert opinion outside the Calcutta University.

#### *Resolution No. 10.*

Resolved that we strongly disapprove of the proposal that the Presidency chairs proposed to be created in the University should be filled by Selection Committee sitting in England. Such a proposal would place suitable candidates available in India at a great disadvantage in regard to these appointments. In our opinion, these chairs should be filled in exactly the same way as all other University appointments, and there is no reason whatsoever for any special departure being made from the general rules in this respect.

#### *Resolution No. 11.*

Resolved that, in our opinion, all teaching posts in the University should be on graded rates of pay.

#### *Resolution No. 12.*

Resolved that we strongly disapprove of the suggestion that the Selection Committee for filling teaching appointments in the University should necessarily include representatives of various communal interests.

### **Matters relating to University Legislation.**

#### *Resolution No. 13.*

Resolved that, in our opinion the Senate of the Calcutta University should have the privilege of nominating a representative to sit as an Additional Member of the Imperial Legislative Council and on the Select Committee of the Legislative Council when legislation regarding the Calcutta University is under consideration.

### **Matters relating to Communal representation in the University.**

#### *Resolution No. 14.*

Resolved that while agreeing to the view that representatives of Mahomedan views and interests should ordinarily find a place

in the bodies of the University we are strongly of opinion that the electorates in the University should be left free to elect the best man irrespective of community or religion, and if election fails to secure the requisite Mahomedan representation, the onus of making up the deficiency should rest with the Chancellor under the power of nomination vested in him. There should be no hard and fast rules in this respect.

### **Matters relating to the Position of existing Government Colleges in the Reconstituted University.**

#### *Resolution No. 15.*

Resolved while agreeing to the principle proposed by the Commission that the property of the Presidency College should be vested in Trustees, we are strongly of opinion, that the Vice-Chancellor and the Treasurer of the University should be ex-officio members of the Trust and the number of the trustees should not exceed nine and should include representatives of Hindu and Musalman interests, and also two representatives of the original founders of the college.

Resolved that the Vice-Chancellor, Dean of the Faculty of Science, and Dean of the Faculty of Arts should be ex-officio members of the Governing Body of the college and that the Governing Body should include three elected representatives of the teaching staff of the college and also some representatives of the trustees of the colleges and of the original founders of the college, the other members to be nominated by the Chancellor of the University.

Resolved also that the method of filling up future vacancies in the staff of the Presidency College should be exactly similar to those adopted in the case of other teachers in the University.

#### *Resolution No. 16.*

Resolved that the constitution of the Governing Body of the Sibpur Engineering College proposed by the Commission should be further amended so as to secure adequate representation of Indian views and interests. We propose that the Governing Body should consist of the following :—

(1) One member appointed by the Government of India to represent the Imperial Department of Industries, if such a Department is created.

(2) Seven members appointed by the Government of Bengal, provision being made for the representation of the Public Works Department, the Department of Public Instruction, the provincial Department of Industries, if established, Railways, Engineering, Industries, Mining and Architecture.

(3) The Principal of the College, *ex-officio*.

(4) Two members appointed by the Academic Board of the College.

(4) The Vice-Chancellor of the University, or if he is unable to serve some person appointed to act in his stead by the Executive Council of the University and one other University representative appointed by the Executive Council.

(6) One person co-opted by the Governing Body to represent Engineering Industries (if the Governing Body constitute a Board of Visitors, this person to be elected by that Board).

(7) One person appointed by the Indian Institute of Engineers, when constituted.

(8) One person appointed by the Mining and Geological Institute.

(9) One person appointed by the Indian Mining Federation.

(10) One person appointed by the Bengal National Chamber of Commerce to represent Indian Industrial interests.

(11) One person appointed by the Marwari Chamber of Commerce to represent Indian Industrial interests.

(12) Two persons elected by the Faculty of Science in the University.

(13) Two persons elected by the Faculty of Technology in the University.

(14) One person by Bengal Chamber of Commerce.

### **Matters relating to the Proposed Board of Intermediate and Secondary Education.**

#### *Resolution No. 17.*

Resolved that, as the success of the whole scheme of Secondary and intermediate education dependy entirely upon an intimate knowledge of Indian conditions and sympathy with Indian aspirations, we are strongly of opinion that the President of the Board of Secondary Education should be an Indian of high academic and administrative qualifications and that Board should be constituted as follows :—

(1) The President.

(2) The Director of Public Instruction.

(3) One member to be elected by non-official Members of the Legislative Council.

(4) Seven University representatives (5 of Calcutta and 2 of Dacca).

(5) Two representatives of heads of Calcutta Intermediate Colleges to be elected by heads of Intermediate Colleges in Bengal.

(6) Not more than six members to be appointed by the Government of Bengal and chosen on the ground of their special knowledge of education and with a view to the representation of the following categories of experience, if not otherwise provided for :—

- Agriculture,
- Industry and Commerce,
- Medicine and Public Health,
- Teaching in Intermediate Colleges and in Secondary Schools,
- The education of girls,
- The educational interests of the domiciled community.

The majority to be non-official.

*Resolution No. 18.*

Resolved that in view of the fact that the Intermediate College Examination would qualify candidate for admission into the University and also in view of the fact that a large proportion of the candidates who pass that examination are likely to join the University we are strongly of opinion that Intermediate College Examination should be managed by a joint body appointed annually (in equal proportions) by the University and by the Board of Secondary and Intermediate Education.

*Resolution No. 19.*

Resolved that, in our opinion, it is entirely unnecessary and undesirable to recruit a body of English men and women to carry on teaching in Intermediate Colleges. Their reasons urged for the creation of such a corps are in our opinion entirely unconvincing. In the first place, it would impose an excessively heavy and disproportionate financial burden on the educational resources of the country. Secondly, it would cripple the legitimate aspiration of Indian teachers and reduce the funds available for their payment. Thirdly, it would tend to accentuate and deepen racial antipathies and thus prejudice the efficiency of teaching. Fourthly, it would be very difficult, as such men would belong to a special corps necessarily drawing a higher salary, for an Indian Principal to control them and keep them to their proper places. Fifthly, the work that it is proposed in entrust to such men could be equally well or better done by Indians. Indian teachers could be trained in very large numbers to undertake room of any desired description, partly in training Colleges established in the country, and partly, if necessary, by being deputed abroad to various foreign



countries for short periods to enable them to obtain first-hand acquaintance with methods adopted elsewhere. Sixthly, the Commission, in our opinion attach an altogether undue importance to the question of the phonetic study of languages. Such a study may possess an academic interest, but in the great majority of cases, it is not of much practical importance.

*Resolution No. 20.*

Resolved that, in our opinion, the scheme of staffing intermediate colleges on the basis of 1 teacher to 30 students is financially altogether impracticable, the great expense which it would mean practically involving the closing down of almost all the colleges of Bengal; the expense would be altogether out of proportion to increased efficiency that might result therefrom. Under existing conditions, 150 students per teacher are allowed in mass lectures in the intermediate stage and 50 students in the school stage. In our opinion, it would be sufficient if provisions were made to have 1 teacher to 50 students in intermediate colleges, and to go further than this appears to us to be superfluous.

*Resolution No. 21.*

Resolved that, in our opinion, in view of the special difficulties under which Muffassal Colleges labour, the condition that intermediate and graduate teaching should be carried on in separate buildings and under separate agencies should not be insisted on in their cases.

*Resolution No. 22.*

Resolved that, in our opinion, we consider it absolutely necessary that there should be an examination in natural science in the high schools examination.

*Resolution No. 23.*

Resolved that 15 should be the minimum age in all cases for admission to the high school examination.

**Matters relating to Examination Reform.**

*Resolution No. 24.*

Resolved that the constitution of an Examination Board as recommended by the Commission be approved subject to the condition that it is a body to be elected by the Academic Council.'

**RESOLVED—**

That the resolutions be placed before the Council of Post-Graduate Teaching in Science for discussion."

Mr. Hemchandra Dasgupta had given notice of the following amendment :—

“That in the opinion of the Council of Post-Graduate Teaching in Science, Sections xeviii, xcix and c of Para. 49 of Chapter LII of the recommendations of the Calcutta University Commission (Vol. V, pp. 344-45) be modified as follows :—

(xcviii) The Vernacular should be used in general throughout the high schools, except for the teaching of English.

(xcix) At the high school examination (corresponding to the Matriculation) candidates should be permitted to answer either in the Vernacular or in English, except in the subject of English.

(c) The Vernacular may be used as the medium of instruction and examination in the intermediate colleges, but the medium of instruction and examination in the University be English (except in dealing with the Vernacular and the classical languages).”

Dr. Brühl had given notice of the following amendment :—

“That after (b) of Resolution I. B. of Draft Resolutions of the Sub-Committee on the report of the Calcutta University Commission, the following be added after ‘Metallurgical Chemistry’ :—

‘(c) That early steps be taken to develop the following branches of Applied Botanical Studies :—

(1) Mycology.

(2) Chemical Biology.

(3) Experimental cultivation of indigenous medicinal plants.”

The President in opening the proceedings said : We meet for the purpose of considering the draft resolutions of the Sub-Committee appointed at the request of the Executive Committee to deal with the report of the University Commission. Two notices of amendment have been received ; one from Dr. Brühl about the teaching of Botany and the other from Prof. Dasgupta about the Vernaculars. I shall call upon Prof. Raman who was the Chairman of the Sub-Committee to move the resolutions recommended by the Sub-Committee. I think it will be convenient to take the resolutions one by one. I do not intend to take any part in this debate, because I feel that you should be left free to express your own opinion on the many important questions involved in this matter. I shall act like the Speaker in the House of Commons and merely keep order.

Prof. C. V. Raman in moving the adoption of Resolution I. A. said : The Sub-Committee appointed to consider the

recommendations of the Calcutta University Commission and draw up a series of resolutions for the consideration of this Council approached their task with a full realization of the fact that the Report of the Commission is one of the most important documents ever presented in the history of Indian education. They felt a deep personal interest in the work entrusted to them for the reason that the Report concerned them all personally, as they were members of the staff of the University and would have to continue to work in it when it was reconstituted or reorganized. The Sub-Committee therefore set to work with a will and held a series of fifteen sittings at which the recommendations of the Commission were thoroughly sifted and discussed. The draft resolutions drawn up represent the unanimous views of the Sub-Committee on the matters dealt with, one or two points on which there was difference of opinion, such as for instance the employment of Vernaculars in the higher teaching of the University being left out of their draft resolutions. In arranging the resolutions in suitable order, the Sub-Committee felt that by far the most important matter for consideration was the financial aspect of reform. The resolution dealing with the financial aspect of reform has therefore rightly been placed first for the consideration of this Council.

It seems to me that the question of educational reform in this country is mainly a question of ways and means. If I were asked what were the main requisites for securing educational progress in India, I would reply, firstly money, secondly money and thirdly money. That I think is the whole position. I feel that throughout India, educational progress has in the past been hampered chiefly and most seriously by lack of means. It is a matter of common knowledge that the great educational progress that has been achieved in Bengal has been almost entirely the result of private effort with little or no assistance of any kind from the Government. I have nothing but admiration for the enthusiasm and self-sacrificing effort of private individuals that has made education in Bengal what it is to-day, and if the progress achieved has not been all that might have been desired, this is no matter of surprise, considering the immense difficulties under which the work has been carried on, and the practical neglect by the Government of its responsibilities to the country in the matter of higher education. It is all very well to talk of reform, but who is to pay the cost? The Sadler Commission have made it clear in their report that no measure of reform is possible unless the Government steps in and is prepared to bear the cost. This is a point which I think must be strongly emphasised, as we know by experience that Government while showing great anxiety to reform education has rarely if ever

shown any anxiety to give help where help was merited. This may seem a strong statement to make, but it can be proved to the hilt over and over again.

To illustrate my remark as to the manner in which the progress of education has been hampered by the apathy and neglect by Government of its responsibilities, it is sufficient if I bring before this Council one recent example, that of the University College of Science. If ever there has been a case worthy of assistance on a most generous scale from the coffers of the State, this is one. We all realise the immense value to the country of the highest type of scientific and technological teaching and research being imparted in our University. Sir Taraknath Palit and Sir Rashbehary Ghose realised this, and their munificent donations in aid of this object are without a parallel in the history of any modern Indian University. Surely this was a case in which we were deserving of help from Government! That help we have not received. The University has done what it could to build up the University College and equip its laboratories with its meagre resources, and the work already accomplished even with our scanty equipment is the best testimony to the value of the institution and its claims to assistance. Speaking for the Department of Physics, I can venture to say that we have no reason to feel ashamed of our output of work which is writ large in the Scientific Journals of the world. For the first time in the history of Indian Universities, we see a real School of Physics established in the University College of Science whose contributions to the Progress of Physics find a place month after month in the foremost periodicals of the science. The Royal Society of London has recognised our work by publishing the same and in this connection I would mention specially one of the ablest Lecturers and a thoroughly practical member of our staff, Mr. Phanindranath Ghosh, whose contributions you will find in the current issue of the Proceedings of the Royal Society. Important work is also being accomplished in other departments of the University. The progress actually achieved would however been far greater if our equipment and resources had been more adequate, and the apathy and neglect shown by the Government towards the needs and requirements of the University College of Science are therefore all the more deplorable.

Gentlemen, all this talk of reform is merely beating the air unless Government is prepared to find the money which reforms will cost.

In referring to the financial aspect of reform, the resolution now before this Council emphasises the principal directions in

which financial assistance is most urgently necessary. These are the further equipment of the existing laboratories and libraries, the improvement of the pay and prospects of the teaching staff, and the opening out of new and useful departments of activity. It is not by piling up huge administrative staffs and paying them colossal salaries as Governments especially in India are wont to do that we can secure educational reform. Having myself been an officer in the Financial service of the Government of India, I can give this Council an accurate view of the mentality of our Indian Government in matters financial which exhibits a most astonishing lack of fairness or perspective. Educational reform according to the Government view of it consists in creating huge administrative services, paying them enormous salaries and travelling allowances, and then starving the real workers by giving them miserably inadequate salaries and next to no prospects. It is high time that we protest against these inequities and insist on the money of the taxpayer supposed to be spent on education being really spent in a manner which advances the true educational interests of the country.

One of the most urgent needs of University education in India is the provision of immensely improved facilities for study in the shape of libraries and laboratories. Our equipment in this direction is utterly inadequate and until we make a great advance in this respect, our progress is beset with difficulties. In the matter of efficiency in equipment, the Chief American Universities are rapidly coming to the front, and such provision as we find in Indian Colleges is altogether insufficient for anything like serious modern work. This is a vital defect which needs to be set right. Money should be unstintingly spent on providing libraries and laboratories thoroughly equipped for modern requirements.

Then again, the great majority of our teachers are miserably underpaid. Unless and until they receive proper remuneration, you cannot expect them to put forth their full energies, and have their heart in their work. You find every day in the news-papers, announcements of huge increases of salary for officers already drawing thousands of rupees every month as their pay. Their emoluments are increased. But what of the poor teachers of the country, the rank and file of Indian staff who are miserably paid and half-starved ! There is nothing harder in this world than for the real worker to get his proper wage. The men in the Government who hold the purse-strings of the Country naturally help themselves and their friends and draw huge salaries out of all proportion to the services they render

to the country, while the teachers of the rising generation starve on a miserable pittance insufficient to keep body and soul together. This is the problem of Indian Finance and Indian Education put in a nut shell.

Then again, the great question before the country is the Bread Problem, the economic salvation of India. There is no doubt that in the past, our officialised Universities have devoted themselves too much to manufacturing men fit only to hold a quill pen as clerks and subordinates in Government offices, and too little to making real men of its alumni. It is high time for us to shake off these old traditions and for the Universities to undertake new and really useful departments of activity which will fit its alumni to take part in the reviving industrial and economic life of the country and to advance the true interests of the progress of our people. This is the most urgent need of all, and the one which will make the heaviest calls on the financial resources of the University. Every day lost in setting to work is a serious loss to the country, and it is here that we have a right to demand of the Government which is responsible for the well-being of the country, the most unstinting assistance to enable our Universities to set to work to create departments of higher scientific, technological and economic teaching which will put new life into the dry-bones of purely academic studies. Our Universities will fail most miserably in their duty if they do not or cannot help in securing the industrial, economic and social regeneration of the country, and this, they can only do by themselves undertaking the teaching of subjects of practical interest and importance on the most up-to-date lines. It is here that the most urgent reform is needed and it is here that the most serious responsibility rests on the Government to give support from public revenues to the fullest possible extent.

With these words, I commend the first resolution for the acceptance of this Council. I think the Sadler Commission have framed a very moderate estimate of the cost of their scheme of reform, and unless the Government is prepared to find all the money wanted, the scheme would, in my opinion, be utterly impracticable and should be shelved.

Dr. P. C. Mitter in seconding the resolution said: The University Commission has suggested large measures of reform. Some of the suggestions are new but I am sure there are many among them which, those connected with the University had long felt to be necessary but which could not be carried out for want of funds. We live unfortunately in a time when nothing can be done without money. To carry out even a small portion

of the recommendations of the Commission large sums will be necessary. I am only afraid that the bill will be too big when we come to actual figures.

The Resolution I. A. was put to the vote and carried unanimously.

Prof. C. V. Raman in moving the adoption of Resolution I. B as amended said : This resolution urges that the University College of Science should be developed into a University College of Science and Technology, that the college should represent both Pure and Applied Science, and that it should aim at the practical development of higher technological studies in the University. It was the declared object of Sir Taraknath Palit and Sir Rashbehary Ghose, whose munificent donations have made the foundation of the college possible that it should provide for research and teaching both in Pure and Applied Science, and it is high time that steps are taken to achieve this object by adding to the existing departments of study in Pure Science, the necessary staff and equipment for teaching and research in Applied Science. The resolution as drafted by the Sub-Committee sets out the principal branches of Applied Physics and Applied Chemistry for which provision seems most urgently required, and I gladly accept the amendment proposed by Dr. Brühl for the addition of departments of Applied Botany and Applied Zoology.

The building of the University College of Science at present is insufficient even for the requirements of the departments already housed in it, and it seems to me very necessary that arrangements should be made to increase the accommodation available so that the departments of Applied Science now proposed to be added may be suitably housed. The existing building was designed and constructed as a Chemical Laboratory and in many ways is unsuited for the requirements of a first class physical laboratory. The proposal in the resolution now before the Council is that the whole of the present building be utilized as a Laboratory for Pure and Applied Chemistry for which it is very well suited, and that a new building be put up properly designed for the requirements of a Laboratory of Pure and Applied Physics and Applied Mathematics. A well-equipped and first class workshop with up-to-date plant which would be a model and object-lesson to our students of Applied Science is also necessary. A Central Scientific Library at 92, Upper Circular Road is also indispensable for the proper development of this great institution.

I think this Council should take this opportunity of very strongly dissenting from the view expressed by Drs. Zia-uddin

Ahmed and Gregory in their minority report that the University College should teach only Applied Science and leave Pure Science to be dealt with elsewhere. These gentlemen, it seems to me, have put forward a most unwise and ill-considered proposal. The views of a man like Dr. Zia-uddin do not of course count for much. But it seems a matter for surprise that Dr. Gregory, who is a man of science with the badge of F.R.S. should have put forward such an extraordinary proposition. Pure and Applied Science should always go hand in hand. Students even of Pure Science have to do practical work in the laboratory and thus in a sense have to apply their theoretical knowledge. Applied Science is merely Pure Science studied in its relation to practical problems. The history of Science has proved it abundantly that the progress of pure and applied science is closely bound up. We find that theory and practice help each other in a most extraordinary way. New ideas and methods are developed in practical work which transform the aspect of theoretical science, and the theoretical scientist working in the most abstract realms of thought often makes discoveries of the highest practical importance. Practical science has revolutionised pure science, and *vice versa*. A University College of Applied Science which neglects Pure Science is an unthinkable proposition, and we must most emphatically protest against the idea of separating the two departments. If the University agreed to such a separation, it would be guilty of a most grievous blunder, not to speak of a grave breach of trust in respect of the declared objects of the endowments of Sir Taraknath Palit and Sir Rashbehary Ghose for the carrying out of which it is legally responsible.

Another point on which I would lay great emphasis is the provision of residential accommodation in and near 92, Upper Circular Road, for the professors and lecturers engaged in laboratory work in the University College of Science. I think it is of the greatest importance that the Professors should live at their place of work, so that they can really and truly devote their whole time to study and research. If Science is to be cultivated successfully, its votaries have to live all-absorbed in their work and frequently even turn night into day in their laboratories. From 6 o'clock in the morning till 11 p. m. at night are no unusual hours for a real researcher. Such continuous attention is impracticable unless residential accommodation at or near the college is provided, and I have no doubt such a provision will prove highly beneficial to the real progress of scientific research in the University. It is necessary that the neighbourhood of 92, Upper Circular Road should be considered



an educational area, and arrangement should be made by Government to acquire all the land that is available and put it to the best use in the interests of educational advancement.

Gentlemen, in putting forward this resolution that the University College should be developed into a University College of Science and Technology, it is not a chimerical idea but a real practical proposition that this Council is being called upon to accept. We have already in the University College of Science a band of really able and capable workers, some of whom have shown first-rate practical ability, and given the necessary funds for increased staff, building and equipment, we feel confident that the idea now before you can be successfully put into practice. As remarked by me in moving the previous resolution, it is now mainly a question of money. It is a matter of the highest importance that the University should move forward in the direction of providing facilities for higher technological and scientific studies within its portals, and thus giving an impetus to the industrial and economic regeneration of our impoverished country. It is well-known to many of you that the University expects soon to receive a generous donation from one of our most public-spirited citizens which will make a beginning in this direction possible. But this is not enough, and assistance from Government is necessary to enable the necessary new building to be put up and to equip it in a manner worthy of a great University. The immense importance to the country of the University College of Science and Technology when fully developed is manifest. So far, the institution has been developed almost solely with the unaided resources of the University and from the endowments provided by our two great donors. It is now open to the Government to help us in a practical way in this great work, and if Government fails to help us, it will remain to its lasting discredit that it has neglected and discouraged the greatest of our educational institutions intended for the benefit of the people.

I now commend the resolution to your acceptance.

Dr. P. Brühl in seconding the resolution I B. said : I endorse every word that has fallen from Mr. Raman. As regards the building of the College of Science at 92, Upper Circular Road I may be permitted to say, that I had some share in its design, and therefore can assert that it was designed for the Chemistry Department in all its branches. If, however, it is intended to add several branches of Applied Chemistry, additional buildings will have to be constructed, notwithstanding the whole of the present building being made over to the Chemistry Department. I am rather astonished that Botany

has been left out of the Resolution under consideration. I have referred only to three items of great practical importance in the amendment proposed by me. There is the subject of Mycology. We could employ at least one dozen of trained Mycologists, and yet have work for them for many years to come. At present we have the Assistant Professor of Botany and two research students employed in mycological researches. No body will deny that mycology is a subject of the greatest importance in an agricultural country. We in Baliganj pay a great deal of attention to the practical side of Botany, as we are convinced that theoretical and practical Science are intimately bound up with each other. This prompts me to refer to the subject of separation of practical and theoretical Science recommended by the framers of the note of dissent. I am absolutely astonished to see that Dr. Gregory is one of the signatories of the note of dissent. In every advanced country and for many years past theoretical and practical Science have been brought more and more into intimate contact. That battle was fought out years ago in a country I do not wish to mention; but I may at least refer to the United States of America. There the chief cause of the rapid progress made is the intimate association of practical and theoretical Science. I personally have experienced the great advantage of theoretical Science coming in intimate touch with practice. In the Sibpur Engineering College, where I have been teaching Physical Science for over a quarter of a century, I have, when teaching heat, engines and electric engineering, realised various subjects belonging to the province of pure Physics much more clearly than if I had been only a theoretical Physicist. To advocate at the present hour a separation of theoretical and practical Science means that the advocates of such a measure are at least sixty years behind their time. At the German Polytechnico theoretical Science has been taught in close connection with practical Science, and one of the most distinguished of living Mathematicians fought for the equipment of the Physical Laboratory of his University with apparatus and machines of an engineering scale and finally won the battle.

Mr. P. C. Mahalanabis said: I am in complete agreement with Mr. Raman. His eloquent arguments have convinced me that Pure and Applied Science should go hand in hand. This being so I am really surprised to find that Mr. Raman's Sub-Committee does not suggest the addition of departments of Applied Physics and Chemistry to Presidency College. If it is essential that the teaching of Pure Science should continue at the Science College, it naturally

follows that it is no less essential that the teaching of Applied Science should be started at Presidency College. This is the inevitable logical outcome of Mr. Raman's arguments and I fail to see why departments of Applied Science should not be added to Presidency College. In the case of Physics, I should like to see at least two departments of Applied Science—Applied Electricity and Applied Optics—added to Presidency College.

Mr. G. C. Bose said : The Resolution has been very ably proposed by Mr. Raman and equally ably seconded by Dr. Brühl. I am entirely in agreement with Mr. Raman that Pure Science and Applied Science cannot go separately. It is a matter of surprise to me that Professor Gregory should have written otherwise. With regard to one other point, I shall draw the attention of Dr. Brühl who has done well in timely bringing forward the amendment about Mycology which has been accepted by Mr. Raman. Dr. Brühl has already explained the usefulness of Mycology. It is the least known subject of Botany, not only in Bengal, but in all India, although something is being done on the lines at the Pusa Institute. Dr. Brühl is entitled to our thanks for bringing forward this. The subject of plant diseases includes both Entomology and Mycology. Entomology bearing on plant diseases should therefore also have a place under Applied Zoology or Botany. Dr. Brühl has already referred to Agricultural Botany which under the Ghosh Trust it is incumbent upon the University to include in its curriculum. Dr. Brühl has proposed Chemical Biology. If I understand him aright, he means by it the application of Chemistry to the development of Biology. I should make the suggestion that instead of Chemical Biology, the term should be Biological Chemistry. I claim to have some knowledge of Agricultural Chemistry and I know what important place it occupies in the study of agriculture.

Dr. Brühl : I did not say so, because Chemists might not like to put their finger into the fire.

Mr. Bose : It is a matter of terminology. I should be sorry that the departments of Applied Science should be exclusive. They should rather go hand in hand, and be more or less interdependent.

Dr. Brühl : It is not a matter for Chemists, but the outside world.

Mr. Bose : I am not here concerned with the outside world. We are here as an academic body and we should approach the question from an academic point of view. My point is this : Agriculture is applied Botany, it is applied Chemistry and Zoology and Applied Physics.

With regard to the point raised by my friend on the left (Prof. Mahalanabis) with reference to adding the practical side to theoretical Science at the Presidency College, I am in agreement with him provided we know who is to pay for it. We shall be glad to help if the University could help. The funds of the University are hardly sufficient. We are practically a bankrupt whether we admit it or not. (Cries of no, no and laughter). As regards the experiment of cultivating indigenous medicinal plants it will go home straight into the heart of every one. Under the new scheme of the University, Agriculture is going to be a separate department of knowledge, when the subject will receive due attention. Any way I am in full agreement with all that has fallen from the mover and the seconder.

Professor Hemchandra Dasgupta said : I am in agreement with the suggestion that Applied Science and Pure Science should go together in the Presidency College, but the resolution dealt only with the University College of Science and that is why the Sub-Committee did not deal with the matter.

Dr. B. B. De said : I am surprised that Chemical Engineering has been omitted from the list of subjects given under Applied Chemistry. I think it should be included as the first thing, as it is essential to all work in Chemical Technology.

Dr. P. C. Mitter said : There is some difficulty. It would have been possible if we had an Engineering College close at hand. For Chemical Engineering we require both the Laboratory and the Engineering workshop but facilities for the latter are not forthcoming. As regards the other (Mr. Mahalanabis's) suggestion I beg to state that when the Committee recommended that steps be taken to teach Applied Chemistry in the University College of Science it was not thinking of the University College as College. The Committee felt that it was necessary that the University should provide for technological training and the College of Science is best suited for the purpose as it offers ample scope for expansion.

It would not be advisable to add courses in Applied Science to any and every College even if the money was forthcoming.

Dr. Watt said : What I wish to say is of a general character. I think, if I may say so, Mr. Raman contradicted himself when he said that very good work had been done in Bengal in the nature of education, and some very good work indeed in higher education and training and that at the same time money that had been available, was miserably insufficient in comparison with what we should have got. I do not like to add my remarks to the end of Mr. Raman's first speech. Most assuredly we need money and very great deal of it. But after all there are the men forthcoming and money will also be forthcoming. There

is the spirit in the country and there are people unselfish, eager and unambitious. But money is necessary. Such may be the case that Dr. Gregory might have in his mind that it would be a wise thing to utilise in the best possible way the advantages that offered and the Presidency College and the College of Science might utilise them together. It might be that he passed over the hardships that might present themselves. In my college days I had to walk several miles to get my lessons. I think it is possible that Dr. Gregory's suggestion was a *via media* for a start, so that Government might more willingly fall in with the purpose that is suggested. The money that we can get should be most economically managed. I speak in favour of an attempt to utilise more fully the resources of the University College of Science and the Presidency College together for Science pure and applied.

Dr. D. N. Mallik said : The proposed University College of Science should include both the existing institutions, namely, the Presidency College and the present University College of Science, and I should have been glad if the Sub-Committee had gone into the question as to how this could be secured, for it is obviously desirable to avoid unnecessary duplication of teaching facilities.

Mr. S. N. Bal said : I beg to suggest that the words 'and at 35, Ballygunge Circular Road' be added after '92, Upper Circular Road' in line 7 of page 3 of the Report.

Before putting Resolution I.B. to the vote the President said : The Vice-Chancellor has made a suggestion to me which seems quite acceptable. He suggests that we might include Analytical Chemistry of Ores, gas, water in our teaching and teach the Chemistry of Fermentation, Paint, Polish, Varnish and other things. Mr. S. N. Bal's suggestion also may be accepted.

The President then put Resolution I.B. amended as above to the vote, and it was carried unanimously.

In closing the Proceedings the President said : As regards the suggestion about the Presidency College, I do not think the Council should be called upon to take it up without previous notice. Two suggestions have been made. Dr. Mallik's suggestion might be construed to mean the absorption of the Presidency College into the University College of Science. Prof. Mitter's suggestion is of the opposite character. But we cannot proceed further now and must adjourn.

(Confirmed.)

ASUTOSH MOOKERJEE,

*President.*

H. C. BANERJI,

*Secretary.*

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